2.5
2.8
3.2
3.6
4.0
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2.0
100 mm
A5
1.0
1.1
1.25
1.4
1.6
1.8
2.5
2.8
3.2
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4.0
2.2
2.0
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890
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2.2
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ABSTRACT

This statistical report summarizes data on enrollment and graduation of minority students in engineering degree programs from 1974 to 1985. First, an introduction identifies major trends and briefly describes the Incentive Grants Program (IGP), the nation's largest privately supported source of scholarship funds available to minority engineering students. The remainder of the report, divided into four sections, consists mainly of tables. Section 1 provides data on undergraduate enrollment and graduation by State and institution from 1974-75 to 1984-85. Section 2 presents 12 tables containing selected data, broken down by such categories as ethnicity, state, institution, and students' area of specialization (civil, chemical, electrical, and mechanical engineering). Section 3 provides data on IGP recipients (by gender, ethnicity, and discipline). Section 4 is a complete directory of university level minority engineering program directors. Since 1974, minority enrollment and graduation has increased, but the need to further increase both enrollment and retention is apparent. (KH)

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NACME

STATISTICAL REPORT 1986

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NACME

STATISTICAL REPORT

1986

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INTRODUCTION

The National Action Council for Minorities in Engineering, Inc. (NACME) has led an 11-year effort to increase the number of Black, Mexican American, Puerto Rican and American Indian students who successfully complete an engineering degree. As an enabling organization, NACME's role is to increase the number of institutions—corporations, universities, colleges, school districts, minority organizations and legislative bodies—that allocate resources to this effort.

NACME expands its service capability by involving representatives from participating institutions in 12 active committees. During the past year, the **COMMITTEE ON DATA AND STATISTICS** has worked in assembling, reviewing and analyzing the various data sources that have been developed to measure progress in the minority engineering effort. The **NACME Statistical Report** represents the collective work of committee members and staff, and summarizes data on enrollment and graduation in engineering from 1974 to 1985.

It also provides a summary of NACME's largest program, its Incentive Grants Program (IGP). NACME's IGP provides block grants to participating accredited engineering schools so that scholarships are available for underrepresented minority engineering students. Each year a new group of students, or "cohort," receives financial support from NACME.

Finally, the document presents a directory of university personnel involved in programs. Program directors are a source of knowledge, have access to potential minority graduates and can provide expertise to those joining the effort.

As the premier issue of an annual **NACME Statistical Report**, this publication is an up-to-date document that provides a comprehensive picture of enrollment and graduation rates at engineering colleges and universities. The data is coupled with an analysis to place these figures in a national perspective.

It is our aim that the report will become a tool used by colleagues in industry, universities, minority engineering programs and secondary school systems in support of our common goals. As a recipient of this first **NACME Statistical Report** your feedback is appreciated.

HISTORICAL PERSPECTIVE

Growth in Enrollment

During the 1974-75 school year, the first academic year for which comprehensive Engineering Manpower Commission (EMC) data on minorities is available, 9,837 minority students were reported to be pursuing baccalaureate degrees in engineering. Ten years later, 1984-85, this figure tripled to 30,829. From 1974-75 to 1979-80,

enrollment of underrepresented minority students increased yearly by increments of over 2,500. The largest single increase occurred in 1979-80 when 3,262 minority students enrolled in accredited engineering programs. The 1980-81 and 1981-82 school years showed enrollment increases of 2,128 and 2,654 respectively. From 1982 to 1985, enrollment figures for minority students continued to increase but at a slower rate. Net increases were 578 in 1982-83, 1,184 in 1983-84 and 286 during the 1984-85 academic year.

Growth in Graduation

From 1974-75 to 1983-84, graduation figures more than doubled: 1,463 to 3,817. Over the following years, the absolute number of graduates continued to increase. In 1977-78, 1,679 minority students received their baccalaureate degrees in engineering, an increase of 97 over the previous year. In 1983-84, total minority graduates were 3,817 or 324 more than the previous academic year. Since 1976-77, the average net increase of graduates per year is 348. This is expected given increases in enrollment figures.

Trends Identified

The 1983-84 graduation figures clearly demonstrate that the work is not over. Future increases in graduation will be affected by enrollment figures. If a smaller number of minority students enroll every year, the pipeline will yield fewer graduates. The data presented in Section I illustrates average net increases in enrollment of over 2,000 and 350 graduates. The need to increase both enrollment and retention continues to define the tasks ahead of us. At the same time, it is encouraging that the marked improvement to date has been achieved while the growth rate of enrollment and graduation figures for all engineering students has stabilized.

COLLEGE/UNIVERSITY OUTLOOK

Sample

Table 1 summarizes enrollment and graduation figures in 308 engineering programs. All institutions do not report their statistical breakdown on a yearly basis. Some colleges and universities have never reported minority enrollment and graduation to EMC. As a result, one cannot assert increases or decreases in enrollment for all institutions. Two periods were selected arbitrarily for this minority enrollment comparison: 1974-75 to 1978-79 and 1978-79 to 1984-85.

Growth in Enrollment

The first enrollment comparison, 1974-75 to 1978-79, shows that 84 percent of all institutions reported minority enrollment increases, 11 percent reported decreases and 5 percent exhibited no change. The second comparison, 1978-79 to 1984-85, demonstrates increased enrollment for minority students in 79 percent of those institutions that reported to EMC. An additional 4 percent of all institutions reported no change in minority enrollment and 17 percent (6 percent more than in the previous comparison) showed a decrease in the number of minority students pursuing an engineering degree.

Growth in Graduation

A comparison of 1974-75 and 1978-79 graduation figures shows an increase of 55 percent of all institutions reporting to EMC. One fourth of all institutions reported minority decreases and 20 percent reported no change in graduation figures. The second comparison, 1978-79 to 1983-84 demonstrates increased minority graduation figures in 79 percent of all institutions, 14 percent reported decreases and 7 percent reported no change.

Trends Identified

Again, these increases should only suggest progress. The decrease in enrollment for 14 percent of all institutions (1978-79 and 1983-84) is a painful reminder of the work yet to be done since many of the reporting engineering colleges are located in states with sizable minority populations. The increase in graduation figures for 79 percent of all institutions (24 percent more than the first comparison) is a positive reflection on the work of retention programs and increased awareness regarding the minority engineering effort (see Table 1).

MINORITY ENGINEERING PROGRAMS (MEPs)

MEP Model

Improving the Retention and Graduation of Minorities in Engineering, a handbook published by NACME in cooperation with the National Association of Minority Engineering Program Administrators (NAMEPA), asserted:

> "Although certain aspects of the Minority Engineering Programs (MEPs) vary somewhat, the programs share common features: they are generally based within an engineering academic unit; all are dedicated to delivering services to minority engineering students to enhance their academic performance, retention, and graduation; and most attempt to accomplish a great deal with limited resources and therefore must be as cost effective as possible."[1]

A model MEP program provides among other services: recruitment, admissions, tutoring, personal counseling and summer employment. Table 2 identifies all engineering institutions that have developed MEPs. Nationwide, NACME has been able to identify 76 full-time and part-time programs. An analysis of data on enrollment and graduation presented in Table 1 supports the effectiveness of university MEPs.

Growth in Enrollment

If one compares minority enrollment in 1974-75 to 1978-79 for those institutions with MEPs, increases were reported in 90 percent of them. On the other hand, of those engineering institutions without comprehensive MEPs 82 percent experienced enrollment increases. Only 8 percent of institutions with MEPs versus 12 percent of those without them, experienced decreases in minority enrollment. No change in enrollment was reported in 6 percent of those institutions without MEPs but only 2 percent of those with MEPs.

The second comparison, 1978-79 to 1984-85, discloses a less pronounced but similar pattern: 80 percent of engineering institutions with MEPs versus 78 percent of those without them reported increases in minority enrollment. Enrollment decreases were experienced in 14 percent of institutions with MEPs and in 18 percent of those without programs. No change was reported by 6 percent of institutions with MEPs and by 4 percent of those without programs.

Growth in Graduation

Minority graduation rates were compared to further analyze the effectiveness of MEPs. From 1974-75 to 1978-79, 68 percent of those institutions with MEPs reported increases; 47 percent of those institutions without MEPs reported increases. Decreases in minority graduation were reported by 20 percent of institutions

[1] Improving the Retention and Graduation of Minorities in Engineering, Raymond B. Landis, Editor, The National Action Council for Minorities in Engineering (1985): p. 7.

with MEPs and by 28 percent of those without such program. No change in graduation rates was experienced by 12 percent of engineering institutions with MEPs and by 25 percent of those without programs.

The second comparison, graduation of minority students in 1978-79 to 1983-84, uncovers the same trend: 86 percent of those institutions with MEPs reported increases in graduation rates, versus 75 percent of those without MEPs. Decreases in graduation were reported by 15 percent of institutions without MEPs but only by 13 percent of those with programs. Only 1 percent of institutions with programs reported no change in graduation. Ten percent of engineering schools without MEPs experienced no change.

Trends Identified

This data suggests that MEPs increase both enrollment and graduation figures for minority students. The impact, however, is more pronounced in increasing the number of graduates than in increasing enrollment.

ENGINEERING DISCIPLINES

Disciplines in Engineering

EMC reports degrees awarded to minority engineering students in at least 21 engineering disciplines. Table 12 summarizes degrees awarded to all students and to minority students in each of these areas. Tables 8, 9, 10 and 11 rank institutions by the number of minority graduates in some of the largest engineering fields--chemical, civil, electrical and mechanical engineering--from 1981 to 1984.

Graduation by Disciplines in 1983-1984

Minority engineering graduates represented 5 percent of the total baccalaureate degrees awarded in 1983-84 and over 5 percent in the fields of architectural, electrical, applied sciences, general, industrial and systems engineering. There are 5 percent of minority graduates in the fields of aerospace, chemical, civil and materials engineering. In all other fields they represented less than 5 percent of the 1983-1984 graduating class (see Table 12).

Trends

Minority graduates are obtaining degrees in those disciplines of largest demand but continue to be below their overall 5 percent graduation rate in ten engineering fields.

INCENTIVE GRANTS PROGRAM (IGP)

The Program

NACME's Incentive Grants Program is the nation's largest privately supported source of scholarship funds available to minority engineering students.

Started as a pilot project in 1975, the program originally provided $76,575 to 84 students at 25 engineering schools. Today, NACME's Incentive Grants total approximately $3,000,000 yearly, awarded as block grants to some 145 engineering colleges. The colleges, in turn, award over 3,000 scholarships to minority undergraduates. In order to participate in the Incentive Grants Program, a college must have:

- at least one program accredited by the Accreditation Board for Engineering and Technology;
- a minimum enrollment of 150 minority engineering majors, or at least 6 percent minority students in engineering; and
- essential support services designed to aid in the retention and graduation of minority students.

Colleges not meeting the 150/6% minority enrollment threshold but which, in NACME's opinion, offer a unique opportunity to further the minority engineering effort, may be given special consideration. The size of the block grant made by NACME is determined by each college's percentage of upper division minority students and its number of minority engineering graduates. Additional monies are provided for continuation grants.

Enrollment in IGP Program, 1984-85

In 1984-85, 3,222 minority engineering students received IGP grants. Fifty-eight percent were Blacks, 30 percent were Mexican Americans, 9 percent were Puerto Rican and 3 percent were American Indians. Thirty-four percent of all recipients were female (see Table 13).

The number of females receiving IGP grants increased from 22.6 percent in 1975-76 to 34 percent in 1984-85. The largest percentage of minority female participation, 35.8 percent was experienced in 1980-81 (see Table 14).

Enrollment in Disciplines

Data on IGP current recipients indicates that 70 percent are enrolled in electrical, mechanical, chemical and civil engineering. The largest single group of recipients, 40 percent, is pursuing an electrical engineering degree. Seventeen percent are enrolled in mechanical engineering programs. An additional 8 and 5 percent are pursuing chemical and civil engineering degrees respectively (see Table 15).

Graduation of IGP Recipients

Since the IGP's inception, 1,731 NACME IGP recipients have completed baccalaureate degrees in engineering. Seventy-one percent of all graduates have been Blacks, 28 percent Hispanics and 1 percent American Indians. The largest number of IGP students graduated in the 1983-84 academic year when 418 (24 percent of all IGP graduates) received their degrees (see Table 12).

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SECTION I

HISTORICAL DATA ON ENGINEERING ENROLLMENT AND GRADUATION

Section I presents a summary of data on enrollment and graduation for all students and minority students from 1974-75 to 1984-85. The Table is subdivided by state and institution. Graduation data for 1984-85 is not included in this table.

NATIONAL ACTION COUNCIL FOR MINORITIES IN ENGINEERING

UNDERGRADUATE ENGINEERING ENROLLMENT AND GRADUATION BY STATE AND INSTITUTION

1974-75 TO 1984-85

INSTITUTION	74-75	75-76	76-77	77-78	78-79	79-80	80-81	81-82	82-83	83-84	84-85
ALABAMA											
ALABAMA, UNIVERSITY OF, BIRMINGHAM											
TOTAL ENGINEERING ENROLLMENT	168	198	238	643	346	468	501	515	534	506	392
TOTAL MINORITY ENROLLMENT	4	23	44	66	58	74	79	93	100	63	59
TOTAL ENGINEERING GRADUATES	62	50	35	41	64	66	77	115	94	136	-
TOTAL MINORITY GRADUATES	3	4	4	3	6	5	2	4	5	5	-
ALABAMA, UNIVERSITY OF, HUNTSVILLE											
TOTAL ENGINEERING ENROLLMENT	197	280	378	321	315	572	581	688	765	736	736
TOTAL MINORITY ENROLLMENT	-	14	19	17	20	30	20	37	40	38	38
TOTAL ENGINEERING GRADUATES	44	27	28	61	58	57	73	92	104	128	-
TOTAL MINORITY GRADUATES	-	-	1	3	1	2	1	7	5	2	-
ALABAMA, UNIVERSITY OF, UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	723	858	982	1129	1344	1589	1691	1818	1917	2207	2106
TOTAL MINORITY ENROLLMENT	55	62	74	132	177	221	205	231	252	304	293
TOTAL ENGINEERING GRADUATES	123	121	146	145	183	191	227	279	281	281	-
TOTAL MINORITY GRADUATES	3	5	3	5	7	8	18	24	22	30	-
AUBURN UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	1442	1682	2083	2284	2773	3180	3421	3641	3733	3922	3872
TOTAL MINORITY ENROLLMENT	36	32	37	42	53	64	95	94	100	110	151
TOTAL ENGINEERING GRADUATES	316	284	309	381	439	548	576	703	652	735	-
TOTAL MINORITY GRADUATES	4	-	4	1	-	5	8	10	9	13	-
SOUTH ALABAMA, UNIVERSITY OF											
TOTAL ENGINEERING ENROLLMENT	199	324	577	310	464	547	640	796	856	828	712
TOTAL MINORITY ENROLLMENT	7	14	25	13	30	40	41	63	71	44	66
TOTAL ENGINEERING GRADUATES	36	37	37	48	51	73	60	59	87	121	-
TOTAL MINORITY GRADUATES	-	-	-	2	2	4	1	4	3	3	-
TUSKEGEE INSTITUTE											
TOTAL ENGINEERING ENROLLMENT	254	327	330	380	381	470	552	563	563	603	698
TOTAL MINORITY ENROLLMENT	227	311	269	358	360	446	456	517	517	510	662
TOTAL ENGINEERING GRADUATES	32	24	36	40	43	46	42	42	-	87	-
TOTAL MINORITY GRADUATES	23	24	33	27	32	43	35	35	-	74	-
ALASKA											
ALASKA, UNIVERSITY OF, FAIRBANKS											
TOTAL ENGINEERING ENROLLMENT	141	108	125	171	223	192	214	425	526	357	359
TOTAL MINORITY ENROLLMENT	-	-	5	-	5	6	-	5	24	18	10
TOTAL ENGINEERING GRADUATES	28	27	22	36	28	32	38	52	48	37	-
TOTAL MINORITY GRADUATES	-	-	1	-	-	-	-	1	1	1	-

NATIONAL ACTION COUNCIL FOR MINORITIES IN ENGINEERING

UNDERGRADUATE ENGINEERING ENROLLMENT AND GRADUATION BY STATE AND INSTITUTION

1974-75 TO 1984-85

INSTITUTION	74-75	75-76	76-77	77-78	78-79	79-80	80-81	81-82	82-83	83-84	84-85
ALASKA, UNIVERSITY OF, JUNEAU											
TOTAL ENGINEERING ENROLLMENT	-	-	-	-	-	-	-	-	-	-	-
TOTAL MINORITY ENROLLMENT	-	-	-	-	-	-	-	-	-	-	-
TOTAL ENGINEERING GRADUATES	-	-	-	30	-	-	-	-	-	-	-
TOTAL MINORITY GRADUATES	-	-	-	-	-	-	-	-	-	-	-
ARIZONA											
ARIZONA STATE UNIVERSITY, TEMPE											
TOTAL ENGINEERING ENROLLMENT	1024	1148	1373	1632	2041	2428	2333	2267	2674	2848	2710
TOTAL MINORITY ENROLLMENT	22	40	29	93	123	173	159	170	205	201	194
TOTAL ENGINEERING GRADUATES	156	246	128	159	185	261	302	280	359	354	-
TOTAL MINORITY GRADUATES	6	8	12	4	5	9	16	9	17	12	-
ARIZONA, UNIVERSITY OF, TUCSON											
TOTAL ENGINEERING ENROLLMENT	1501	1762	1917	2014	2295	2755	3041	3308	3410	3522	3668
TOTAL MINORITY ENROLLMENT	64	90	111	130	152	191	252	291	238	333	458
TOTAL ENGINEERING GRADUATES	209	221	247	262	296	377	481	501	520	523	-
TOTAL MINORITY GRADUATES	7	13	5	21	8	25	-	25	28	31	-
NORTHERN ARIZONA, UNIVERSITY OF											
TOTAL ENGINEERING ENROLLMENT	-	207	249	360	422	452	646	561	480	1006	1006
TOTAL MINORITY ENROLLMENT	-	14	20	29	37	32	100	77	62	129	129
TOTAL ENGINEERING GRADUATES	13	22	29	19	45	46	55	58	58	123	-
TOTAL MINORITY GRADUATES	-	4	2	-	1	1	2	4	4	3	-
ARKANSAS											
ARKANSAS STATE UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	83	48	108	101	68	163	158	145	225	301	252
TOTAL MINORITY ENROLLMENT	-	-	11	5	7	7	7	3	11	24	32
TOTAL ENGINEERING GRADUATES	7	7	12	2	3	5	6	14	13	31	-
TOTAL MINORITY GRADUATES	7	-	1	-	-	-	-	-	-	-	-
ARKANSAS TECHNICAL UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	67	79	71	100	-	178	194	222	221	205	205
TOTAL MINORITY ENROLLMENT	3	2	2	5	-	7	11	-	-	1	1
TOTAL ENGINEERING GRADUATES	8	8	8	11	11	11	11	16	16	16	-
TOTAL MINORITY GRADUATES	-	-	-	-	-	-	-	-	-	-	-
ARKANSAS, UNIVERSITY OF, FAYETTEVILLE											
TOTAL ENGINEERING ENROLLMENT	785	935	1069	1275	1506	1664	1986	1880	1696	1862	1697
TOTAL MINORITY ENROLLMENT	24	25	31	56	75	109	123	158	136	168	149
TOTAL ENGINEERING GRADUATES	165	146	110	124	165	254	277	267	295	304	-
TOTAL MINORITY GRADUATES	2	3	1	4	2	12	16	14	12	19	-

NATIONAL ACTION COUNCIL FOR MINORITIES IN ENGINEERING

UNDERGRADUATE ENGINEERING ENROLLMENT AND GRADUATION BY STATE AND INSTITUTION

1974-75 TO 1984-85

INSTITUTION	74-75	75-76	76-77	77-78	78-79	79-80	80-81	81-82	82-83	83-84	84-85
JOHN BROWN UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	61	71	33	44	53	56	60	59	69	66	55
TOTAL MINORITY ENROLLMENT	1	-	-	-	-	-	-	-	-	2	1
TOTAL ENGINEERING GRADUATES	5	13	5	6	6	10	9	11	11	8	-
TOTAL MINORITY GRADUATES	-	-	-	-	-	1	-	-	-	-	-
CALIFORNIA											
CALIFORNIA INSTITUTE OF TECHNOLOGY											
TOTAL ENGINEERING ENROLLMENT	196	484	433	341	417	571	561	588	412	368	353
TOTAL MINORITY ENROLLMENT	-	-	16	19	19	-	-	-	-	-	-
TOTAL ENGINEERING GRADUATES	47	51	96	96	108	113	120	97	134	139	-
TOTAL MINORITY GRADUATES	-	-	7	7	-	-	-	-	-	-	-
CALIFORNIA POLYTECHNIC STATE UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	1636	1654	2095	2119	2265	2784	2907	3088	2957	2992	3078
TOTAL MINORITY ENROLLMENT	108	66	130	95	119	102	163	180	-	-	252
TOTAL ENGINEERING GRADUATES	374	324	384	536	536	321	439	504	571	591	-
TOTAL MINORITY GRADUATES	14	17	10	18	18	16	23	18	21	29	-
CALIFORNIA STATE POLYTECHNIC, POMONA											
TOTAL ENGINEERING ENROLLMENT	1294	1499	1561	1924	1708	1940	2153	2290	2371	2339	2339
TOTAL MINORITY ENROLLMENT	182	112	154	265	129	168	142	258	235	302	304
TOTAL ENGINEERING GRADUATES	232	231	249	267	256	315	353	405	388	429	-
TOTAL MINORITY GRADUATES	13	26	14	26	18	-	32	31	35	47	-
CALIFORNIA STATE UNIVERSITY, CHICO											
TOTAL ENGINEERING ENROLLMENT	328	342	302	401	469	506	581	628	766	717	765
TOTAL MINORITY ENROLLMENT	-	2	6	1	11	-	-	26	-	25	32
TOTAL ENGINEERING GRADUATES	40	56	44	56	70	75	83	80	80	79	-
TOTAL MINORITY GRADUATES	1	2	1	2	1	2	4	1	1	4	-
CALIFORNIA STATE UNIVERSITY, FRESNO											
TOTAL ENGINEERING ENROLLMENT	389	524	561	697	656	913	1130	1168	914	916	1003
TOTAL MINORITY ENROLLMENT	38	57	43	65	89	68	-	74	93	115	119
TOTAL ENGINEERING GRADUATES	68	69	65	83	116	129	150	144	219	115	-
TOTAL MINORITY GRADUATES	4	1	2	1	11	-	7	14	8	4	-
CALIFORNIA STATE UNIVERSITY, FULLERTON											
TOTAL ENGINEERING ENROLLMENT	115	126	126	333	529	529	244	632	775	1352	1118
TOTAL MINORITY ENROLLMENT	13	4	4	26	33	33	-	-	66	78	90
TOTAL ENGINEERING GRADUATES	60	31	31	94	41	106	52	110	135	119	-
TOTAL MINORITY GRADUATES	2	-	-	3	-	-	-	1	8	3	-

NATIONAL ACTION COUNCIL FOR MINORITIES IN ENGINEERING

UNDERGRADUATE ENGINEERING ENROLLMENT AND GRADUATION BY STATE AND INSTITUTION

1974-75 TO 1984-85

INSTITUTION	74-75	75-76	76-77	77-78	78-79	79-80	80-81	81-82	82-83	83-84	84-85
CALIFORNIA STATE UNIVERSITY, LONG BEACH											
TOTAL ENGINEERING ENROLLMENT	662	765	833	996	1196	1337	1596	1804	2181	2231	2274
TOTAL MINORITY ENROLLMENT	117	139	138	123	169	177	231	261	419	424	403
TOTAL ENGINEERING GRADUATES	180	169	218	158	185	245	288	285	401	389	-
TOTAL MINORITY GRADUATES	25	33	18	7	10	6	-	14	32	29	-
CALIFORNIA STATE UNIVERSITY, LOS ANGELES											
TOTAL ENGINEERING ENROLLMENT	302	461	411	471	481	602	692	796	879	912	912
TOTAL MINORITY ENROLLMENT	92	114	119	124	120	100	134	137	155	171	171
TOTAL ENGINEERING GRADUATES	104	112	134	105	96	124	109	215	138	155	-
TOTAL MINORITY GRADUATES	15	20	38	18	14	13	16	20	16	23	-
CALIFORNIA STATE UNIVERSITY, NORTHRIDGE											
TOTAL ENGINEERING ENROLLMENT	551	688	494	830	695	920	967	1110	1643	1581	1634
TOTAL MINORITY ENROLLMENT	80	135	171	174	203	248	334	441	421	356	280
TOTAL ENGINEERING GRADUATES	86	64	73	120	91	160	160	220	205	253	-
TOTAL MINORITY GRADUATES	1	7	1	16	14	9	20	25	26	18	-
CALIFORNIA STATE UNIVERSITY, SACRAMENTO											
TOTAL ENGINEERING ENROLLMENT	567	489	587	1058	1337	1687	1883	1961	1746	1772	2211
TOTAL MINORITY ENROLLMENT	2	29	25	69	89	75	72	112	79	122	219
TOTAL ENGINEERING GRADUATES	84	83	118	68	157	235	287	231	258	252	-
TOTAL MINORITY GRADUATES	-	1	2	2	-	13	-	-	3	3	-
CALIFORNIA, UNIVERSITY OF, BERKELEY											
TOTAL ENGINEERING ENROLLMENT	1904	2241	2474	1975	2466	2155	2165	2150	2658	2714	2760
TOTAL MINORITY ENROLLMENT	107	109	149	103	172	98	122	146	158	217	203
TOTAL ENGINEERING GRADUATES	430	518	559	598	614	728	696	868	682	828	-
TOTAL MINORITY GRADUATES	27	20	20	33	21	17	17	25	20	26	-
CALIFORNIA, UNIVERSITY OF, DAVIS											
TOTAL ENGINEERING ENROLLMENT	1217	1360	1450	1481	1583	1630	1709	1535	1547	1484	1721
TOTAL MINORITY ENROLLMENT	36	49	61	91	111	143	182	-	206	203	217
TOTAL ENGINEERING GRADUATES	208	236	270	309	399	369	394	451	408	386	-
TOTAL MINORITY GRADUATES	2	7	7	20	15	14	21	22	20	22	-
CALIFORNIA, UNIVERSITY OF, IRVINE											
TOTAL ENGINEERING ENROLLMENT	272	378	537	579	787	731	932	790	906	736	901
TOTAL MINORITY ENROLLMENT	18	21	62	50	115	92	91	81	42	60	60
TOTAL ENGINEERING GRADUATES	44	55	71	71	98	121	101	202	183	162	-
TOTAL MINORITY GRADUATES	6	3	3	3	3	8	7	13	11	10	-

NATIONAL ACTION COUNCIL FOR MINORITIES IN ENGINEERING

UNDERGRADUATE ENGINEERING ENROLLMENT AND GRADUATION BY STATE AND INSTITUTION

1974-75 TO 1984-85

INSTITUTION	74-75	75-76	76-77	77-78	78-79	79-80	80-81	81-82	82-83	83-84	84-85
CALIFORNIA, UNIVERSITY OF, LOS ANGELES											
TOTAL ENGINEERING ENROLLMENT	1020	1385	1538	1468	1586	1895	1681	1818	1798	1695	1651
TOTAL MINORITY ENROLLMENT	90	-	119	122	127	169	157	167	191	196	186
TOTAL ENGINEERING GRADUATES	150	174	182	221	313	289	393	357	351	379	-
TOTAL MINORITY GRADUATES	2	6	9	8	8	9	10	15	22	26	-
CALIFORNIA, UNIVERSITY OF, SANTA BARBARA											
TOTAL ENGINEERING ENROLLMENT	372	544	798	886	923	1081	1430	1608	1677	1328	1256
TOTAL MINORITY ENROLLMENT	19	22	35	61	43	67	112	138	180	139	147
TOTAL ENGINEERING GRADUATES	63	78	88	155	173	201	222	267	243	272	-
TOTAL MINORITY GRADUATES	2	2	3	4	8	9	6	7	11	21	-
HARVEY MUDD COLLEGE											
TOTAL ENGINEERING ENROLLMENT	57	69	91	157	244	368	278	281	305	311	335
TOTAL MINORITY ENROLLMENT	2	1	3	2	-	7	14	8	13	17	18
TOTAL ENGINEERING GRADUATES	21	35	23	46	42	62	44	63	50	66	-
TOTAL MINORITY GRADUATES	2	1	1	-	1	-	2	3	4	-	-
HEALD COLLEGE OF ENGINEERING											
TOTAL ENGINEERING ENROLLMENT	445	228	220	325	325	325	-	-	-	-	-
TOTAL MINORITY ENROLLMENT	-	28	11	34	34	34	-	-	-	-	-
TOTAL ENGINEERING GRADUATES	58	67	67	32	32	32	-	-	-	-	-
TOTAL MINORITY GRADUATES	6	24	24	5	1	1	-	-	-	-	-
HUMBOLDT STATE UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	168	130	217	276	230	182	262	262	287	287	233
TOTAL MINORITY ENROLLMENT	3	-	-	-	-	2	11	11	-	-	4
TOTAL ENGINEERING GRADUATES	7	21	11	11	31	14	21	27	27	-	-
TOTAL MINORITY GRADUATES	-	-	-	-	-	-	-	-	-	-	-
LOYOLA MARYMOUNT UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	188	204	212	240	242	261	272	329	399	489	513
TOTAL MINORITY ENROLLMENT	20	18	48	49	64	70	65	80	87	106	105
TOTAL ENGINEERING GRADUATES	29	35	38	38	43	54	33	74	68	97	-
TOTAL MINORITY GRADUATES	4	6	4	4	10	14	3	14	14	14	-
NAVAL POSTGRADUATE											
TOTAL ENGINEERING ENROLLMENT	-	-	-	-	-	-	-	-	-	-	-
TOTAL MINORITY ENROLLMENT	-	-	-	-	-	-	-	-	-	-	-
TOTAL ENGINEERING GRADUATES	58	33	28	27	33	37	24	26	21	4	-
TOTAL MINORITY GRADUATES	-	-	-	-	-	-	-	-	-	-	-

NATIONAL ACTION COUNCIL FOR MINORITIES IN ENGINEERING

UNDERGRADUATE ENGINEERING ENROLLMENT AND GRADUATION BY STATE AND INSTITUTION

1974-75 TO 1984-85

INSTITUTION	74-75	75-76	76-77	77-78	78-79	79-80	80-81	81-82	82-83	83-84	84-85
NORTHROP UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	353	328	439	363	369	353	319	384	384	557	557
TOTAL MINORITY ENROLLMENT	-	29	11	64	9	13	14	42	42	94	94
TOTAL ENGINEERING GRADUATES	88	45	46	64	60	79	85	59	-	-	-
TOTAL MINORITY GRADUATES	11	1	1	2	2	2	-	6	-	-	-
PACIFIC, UNIVERSITY OF											
TOTAL ENGINEERING ENROLLMENT	183	186	239	270	308	359	414	453	489	631	680
TOTAL MINORITY ENROLLMENT	26	17	28	36	34	29	49	40	54	52	60
TOTAL ENGINEERING GRADUATES	28	28	20	36	54	-	52	71	84	90	-
TOTAL MINORITY GRADUATES	3	3	2	3	4	-	8	2	7	5	-
REDLANDS, UNIVERSITY OF											
TOTAL ENGINEERING ENROLLMENT	29	43	36	33	36	33	43	55	72	71	72
TOTAL MINORITY ENROLLMENT	2	2	-	2	2	1	2	-	3	1	7
TOTAL ENGINEERING GRADUATES	3	9	3	7	6	5	6	2	5	4	-
TOTAL MINORITY GRADUATES	-	-	-	-	-	-	-	-	-	-	-
SAN DIEGO COLLEGE OF ENGINEEING											
TOTAL ENGINEERING ENROLLMENT	-	-	-	-	-	-	-	-	-	-	-
TOTAL MINORITY ENROLLMENT	-	-	-	-	-	-	-	-	-	-	-
TOTAL ENGINEERING GRADUATES	4	1	-	-	-	-	-	-	-	-	-
TOTAL MINORITY GRADUATES	1	-	-	-	-	-	-	-	-	-	-
SAN DIEGO STATE UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	684	767	884	851	1343	1641	1874	2124	2365	1817	1685
TOTAL MINORITY ENROLLMENT	-	-	65	78	84	134	179	216	283	206	181
TOTAL ENGINEERING GRADUATES	96	100	105	109	128	174	282	215	318	355	-
TOTAL MINORITY GRADUATES	1	9	6	8	12	9	28	4	40	22	-
SAN DIEGO, UNIVERSITY OF											
TOTAL ENGINEERING ENROLLMENT	280	253	217	438	1018	1166	1252	1668	1962	2920	3077
TOTAL MINORITY ENROLLMENT	-	3	14	6	9	-	-	34	-	-	266
TOTAL ENGINEERING GRADUATES	53	77	38	101	114	163	210	260	189	351	-
TOTAL MINORITY GRADUATES	4	-	-	-	1	-	1	14	3	-	-
SAN FRANCISCO STATE UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	420	421	282	340	423	393	430	470	-	-	783
TOTAL MINORITY ENROLLMENT	86	63	42	42	-	45	46	48	-	-	101
TOTAL ENGINEERING GRADUATES	46	52	48	66	67	70	64	64	-	87	-
TOTAL MINORITY GRADUATES	7	8	-	8	10	10	4	4	-	8	-

NATIONAL ACTION COUNCIL FOR MINORITIES IN ENGINEERING

UNDERGRADUATE ENGINEERING ENROLLMENT AND GRADUATION BY STATE AND INSTITUTION

1974-75 TO 1984-85

INSTITUTION	74-75	75-76	76-77	77-78	78-79	79-80	80-81	81-82	82-83	83-84	84-85
SAN JOSE STATE UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	1126	800	863	1085	1340	1738	755	1972	2036	1850	1862
TOTAL MINORITY ENROLLMENT	89	36	42	78	60	106	97	82	88	111	166
TOTAL ENGINEERING GRADUATES	172	161	161	187	226	219	310	373	261	346	-
TOTAL MINORITY GRADUATES	8	7	11	10	9	17	9	5	34	40	-
SANTA CLARA UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	260	306	346	432	432	497	511	346	379	662	679
TOTAL MINORITY ENROLLMENT	23	-	34	44	44	59	66	-	-	65	62
TOTAL ENGINEERING GRADUATES	59	58	50	71	92	121	62	62	-	126	-
TOTAL MINORITY GRADUATES	5	3	1	1	4	11	-	-	-	8	-
SOUTHERN CALIFORNIA, UNIVERSITY OF											
TOTAL ENGINEERING ENROLLMENT	727	996	1373	1597	1917	1753	2089	2208	2662	2514	2419
TOTAL MINORITY ENROLLMENT	87	145	158	168	216	191	202	255	331	309	232
TOTAL ENGINEERING GRADUATES	105	175	179	245	295	281	354	435	405	666	-
TOTAL MINORITY GRADUATES	-	18	19	13	12	20	16	-	57	54	-
STANFORD UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	644	783	902	945	990	1048	1186	1279	1327	1434	675
TOTAL MINORITY ENROLLMENT	41	60	84	145	148	158	207	209	264	301	106
TOTAL ENGINEERING GRADUATES	109	134	206	240	236	240	255	287	293	306	-
TOTAL MINORITY GRADUATES	3	3	8	16	20	23	25	32	25	45	-
WEST COAST UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	51	125	125	78	-	-	219	219	697	697	325
TOTAL MINORITY ENROLLMENT	5	12	23	-	-	-	17	14	-	-	-
TOTAL ENGINEERING GRADUATES	59	36	18	25	17	52	35	46	45	40	-
TOTAL MINORITY GRADUATES	3	4	-	2	-	2	-	-	6	4	-
WESTERN STATES COLLEGE OF ENGINEERING											
TOTAL ENGINEERING ENROLLMENT	103	92	65	81	-	-	-	-	-	-	-
TOTAL MINORITY ENROLLMENT	27	26	18	30	-	-	-	-	-	-	-
TOTAL ENGINEERING GRADUATES	22	33	35	24	24	16	-	-	-	-	-
TOTAL MINORITY GRADUATES	4	1	3	4	4	-	-	-	-	-	-
COLORADO											
COLORADO SCHOOL OF MINES											
TOTAL ENGINEERING ENROLLMENT	1476	1675	1826	1984	2044	2127	2245	2222	2361	2323	2107
TOTAL MINORITY ENROLLMENT	18	34	36	38	34	42	47	59	65	65	60
TOTAL ENGINEERING GRADUATES	268	244	266	269	313	383	372	387	456	469	-
TOTAL MINORITY GRADUATES	4	1	6	1	4	6	3	6	9	3	-

NATIONAL ACTION COUNCIL FOR MINORITIES IN ENGINEERING

UNDERGRADUATE ENGINEERING ENROLLMENT AND GRADUATION BY STATE AND INSTITUTION

1974-75 TO 1984-85

INSTITUTION	74-75	75-76	76-77	77-78	78-79	79-80	80-81	81-82	82-83	83-84	84-85
COLORADO STATE UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	878	1041	1166	1339	1503	1547	1600	1571	1573	1425	1408
TOTAL MINORITY ENROLLMENT	12	32	34	56	48	52	61	78	-	62	65
TOTAL ENGINEERING GRADUATES	130	145	154	138	204	218	275	263	250	265	-
TOTAL MINORITY GRADUATES	2	-	2	2	2	5	4	2	5	7	-
COLORADO UNIVERSITY OF, DENVER											
TOTAL ENGINEERING ENROLLMENT	-	-	389	-	-	-	-	-	480	502	506
TOTAL MINORITY ENROLLMENT	-	-	9	-	-	-	-	-	32	28	36
TOTAL ENGINEERING GRADUATES	-	-	-	-	-	-	-	-	128	169	-
TOTAL MINORITY GRADUATES	-	-	-	-	-	-	-	-	8	6	-
COLORADO, UNIVERSITY OF, BOULDER											
TOTAL ENGINEERING ENROLLMENT	1803	2015	1958	2643	2683	2711	2711	2742	2096	2258	2154
TOTAL MINORITY ENROLLMENT	53	56	61	74	67	84	84	88	58	70	72
TOTAL ENGINEERING GRADUATES	312	355	426	439	500	565	612	634	454	423	-
TOTAL MINORITY GRADUATES	9	6	8	-	7	10	12	21	7	12	-
COLORADO, UNIVERSITY OF, COLORADO SPRING											
TOTAL ENGINEERING ENROLLMENT	-	-	127	-	-	-	-	-	340	353	374
TOTAL MINORITY ENROLLMENT	-	-	1	-	-	-	-	-	10	14	21
TOTAL ENGINEERING GRADUATES	-	-	-	-	-	-	-	-	45	54	-
TOTAL MINORITY GRADUATES	-	-	-	-	-	-	-	-	1	1	-
MESA COLLEGE											
TOTAL ENGINEERING ENROLLMENT	-	-	-	-	-	-	-	188	75	-	-
TOTAL MINORITY ENROLLMENT	-	-	-	-	-	-	-	-	1	-	-
TOTAL ENGINEERING GRADUATES	-	-	-	-	-	-	-	-	-	-	-
TOTAL MINORITY GRADUATES	-	-	-	-	-	-	-	-	-	-	-
UNITED STATES AIR FORCE ACADEMY											
TOTAL ENGINEERING ENROLLMENT	709	545	647	886	879	862	807	812	922	-	815
TOTAL MINORITY ENROLLMENT	22	17	25	42	69	67	61	68	96	-	70
TOTAL ENGINEERING GRADUATES	203	203	251	385	433	272	341	319	431	431	-
TOTAL MINORITY GRADUATES	1	7	11	13	26	16	23	30	24	24	-
CONNECTICUT											
BRIDGEPORT ENGINEERING INSTITUTE											
TOTAL ENGINEERING ENROLLMENT	269	-	-	-	-	-	-	-	-	-	-
TOTAL MINORITY ENROLLMENT	29	-	-	1	-	-	-	-	-	-	-
TOTAL ENGINEERING GRADUATES	57	55	49	34	37	29	34	26	41	48	-
TOTAL MINORITY GRADUATES	-	1	2	1	2	2	-	-	-	-	-

NATIONAL ACTION COUNCIL FOR MINORITIES IN ENGINEERING

UNDERGRADUATE ENGINEERING ENROLLMENT AND GRADUATION BY STATE AND INSTITUTION

1974-75 TO 1984-85

INSTITUTION	74-75	75-76	76-77	77-78	78-79	79-80	80-81	81-82	82-83	83-84	84-85
BRIDGEPORT, UNIVERSITY OF											
TOTAL ENGINEERING ENROLLMENT	-	302	324	354	395	476	504	575	627	620	674
TOTAL MINORITY ENROLLMENT	-	29	37	59	39	37	33	40	71	21	44
TOTAL ENGINEERING GRADUATES	47	74	55	53	62	97	141	119	113	107	-
TOTAL MINORITY GRADUATES	2	5	4	8	11	9	11	7	3	5	-
CONNECTICUT, UNIVERSITY OF											
TOTAL ENGINEERING ENROLLMENT	1106	1320	1225	1756	1516	1884	1877	1943	2038	1886	1802
TOTAL MINORITY ENROLLMENT	14	26	26	40	38	31	44	75	75	54	41
TOTAL ENGINEERING GRADUATES	150	173	232	254	298	312	306	326	354	336	-
TOTAL MINORITY GRADUATES	4	-	2	1	2	2	3	4	7	6	-
HARTFORD, UNIVERSITY OF											
TOTAL ENGINEERING ENROLLMENT	158	233	275	272	272	450	513	513	514	421	421
TOTAL MINORITY ENROLLMENT	10	6	12	12	10	-	-	-	40	26	26
TOTAL ENGINEERING GRADUATES	55	56	50	68	67	80	111	137	128	123	-
TOTAL MINORITY GRADUATES	1	-	1	2	2	2	2	2	6	3	-
NEW HAVEN, UNIVERSITY OF											
TOTAL ENGINEERING ENROLLMENT	276	323	342	367	301	408	471	413	572	698	609
TOTAL MINORITY ENROLLMENT	12	31	40	21	-	-	-	-	27	29	-
TOTAL ENGINEERING GRADUATES	78	82	93	82	93	102	101	117	116	134	-
TOTAL MINORITY GRADUATES	-	2	5	-	2	2	-	-	-	-	-
TRINITY COLLEGE, HARTFORD											
TOTAL ENGINEERING ENROLLMENT	17	21	18	34	20	23	20	19	27	-	-
TOTAL MINORITY ENROLLMENT	1	-	-	-	-	-	1	1	1	-	-
TOTAL ENGINEERING GRADUATES	13	3	9	8	10	15	11	15	-	-	-
TOTAL MINORITY GRADUATES	1	-	-	-	-	-	1	-	-	-	-
UNITED STATES COAST GUARD ACADEMY											
TOTAL ENGINEERING ENROLLMENT	588	396	352	332	353	353	434	434	491	413	413
TOTAL MINORITY ENROLLMENT	2	11	20	1	5	12	-	-	22	19	19
TOTAL ENGINEERING GRADUATES	58	88	68	60	70	47	66	83	87	81	-
TOTAL MINORITY GRADUATES	1	-	2	2	1	-	1	1	3	-	-
YALE UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	64	149	80	95	-	65	91	94	125	133	90
TOTAL MINORITY ENROLLMENT	-	-	1	-	-	8	7	10	18	28	16
TOTAL ENGINEERING GRADUATES	28	27	49	49	43	61	45	43	38	69	-
TOTAL MINORITY GRADUATES	2	2	4	4	3	8	1	5	4	12	-

NATIONAL ACTION COUNCIL FOR MINORITIES IN ENGINEERING

UNDERGRADUATE ENGINEERING ENROLLMENT AND GRADUATION BY STATE AND INSTITUTION

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INSTITUTION	74-75	75-76	76-77	77-78	78-79	79-80	80-81	81-82	82-83	83-84	84-85
DELAWARE											
DELAWARE, UNIVERSITY OF											
TOTAL ENGINEERING ENROLLMENT	851	1059	1171	1332	1242	1280	1303	1196	1196	1198	1185
TOTAL MINORITY ENROLLMENT	25	29	27	33	47	63	71	72	72	77	79
TOTAL ENGINEERING GRADUATES	139	155	181	213	251	244	263	242	268	268	-
TOTAL MINORITY GRADUATES	2	-	4	4	2	3	12	9	9	9	-
DISTRICT OF COLUMBIA											
CATHOLIC UNIVERSITY OF AMERICA, THE											
TOTAL ENGINEERING ENROLLMENT	204	227	303	299	385	400	383	438	-	475	490
TOTAL MINORITY ENROLLMENT	-	12	9	10	-	13	-	17	-	36	28
TOTAL ENGINEERING GRADUATES	44	37	41	56	66	73	64	95	92	105	-
TOTAL MINORITY GRADUATES	2	2	-	-	-	1	3	10	3	8	-
DISTRICT OF COLUMBIA, UNIVERSITY OF THE											
TOTAL ENGINEERING ENROLLMENT	-	-	-	261	137	455	364	230	442	600	348
TOTAL MINORITY ENROLLMENT	-	-	-	84	30	94	58	92	209	552	267
TOTAL ENGINEERING GRADUATES	-	-	7	23	30	55	65	77	79	79	-
TOTAL MINORITY GRADUATES	-	-	2	11	10	12	14	15	16	50	-
GEORGE WASHINGTON UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	224	279	388	450	601	678	687	775	834	768	788
TOTAL MINORITY ENROLLMENT	-	22	40	52	40	52	64	65	65	51	35
TOTAL ENGINEERING GRADUATES	50	32	77	67	72	112	143	105	162	161	-
TOTAL MINORITY GRADUATES	-	3	5	2	6	6	5	4	8	17	-
HOWARD UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	503	528	545	529	590	675	732	746	855	893	856
TOTAL MINORITY ENROLLMENT	297	350	408	403	468	537	578	607	683	712	666
TOTAL ENGINEERING GRADUATES	72	85	68	58	85	69	96	94	108	108	-
TOTAL MINORITY GRADUATES	24	34	29	21	55	45	80	59	64	74	-
FLORIDA											
CENTRAL FLORIDA, UNIVERSITY OF											
TOTAL ENGINEERING ENROLLMENT	549	658	720	795	900	865	1045	1586	1738	1834	2001
TOTAL MINORITY ENROLLMENT	23	30	38	47	48	135	82	121	123	131	146
TOTAL ENGINEERING GRADUATES	81	89	69	115	141	138	177	180	245	233	-
TOTAL MINORITY GRADUATES	5	4	3	-	2	11	17	9	19	17	-
EMBRY-RIDDLE AERONAUTICAL UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	103	140	200	261	311	487	537	628	574	658	553
TOTAL MINORITY ENROLLMENT	5	6	22	18	3	58	42	45	30	59	43
TOTAL ENGINEERING GRADUATES	17	32	20	26	28	47	49	44	91	102	-
TOTAL MINORITY GRADUATES	-	-	4	-	1	-	-	2	-	3	-

NATIONAL ACTION COUNCIL FOR MINORITIES IN ENGINEERING

UNDERGRADUATE ENGINEERING ENROLLMENT AND GRADUATION BY STATE AND INSTITUTION

1974-75 TO 1984-85

INSTITUTION	74-75	75-76	76-77	77-78	78-79	79-80	80-81	81-82	82-83	83-84	84-85
FLORIDA ATLANTIC UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	224	309	305	330	351	396	462	468	511	862	473
TOTAL MINORITY ENROLLMENT	13	26	28	23	28	29	36	48	42	96	78
TOTAL ENGINEERING GRADUATES	87	80	62	95	93	98	97	128	123	136	-
TOTAL MINORITY GRADUATES	4	7	6	6	8	12	10	16	4	17	-
FLORIDA INSTITUTE OF TECHNOLOGY											
TOTAL ENGINEERING ENROLLMENT	287	326	361	453	554	647	789	796	984	984	995
TOTAL MINORITY ENROLLMENT	4	10	19	7	21	32	46	36	47	90	45
TOTAL ENGINEERING GRADUATES	106	71	23	58	72	68	127	154	172	185	-
TOTAL MINORITY GRADUATES	1	-	2	2	1	-	3	24	17	5	-
FLORIDA INTERNATIONAL UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	-	-	-	-	-	-	-	-	80	168	241
TOTAL MINORITY ENROLLMENT	-	-	-	-	-	-	-	-	25	61	96
TOTAL ENGINEERING GRADUATES	-	-	-	-	-	-	-	-	8	43	-
TOTAL MINORITY GRADUATES	-	-	-	-	-	-	-	-	1	18	-
FLORIDA, UNIVERSITY OF, GAINESVILLE											
TOTAL ENGINEERING ENROLLMENT	1025	1508	1595	1791	1870	1973	2062	2063	2334	2634	2621
TOTAL MINORITY ENROLLMENT	31	69	103	162	183	161	186	217	239	240	248
TOTAL ENGINEERING GRADUATES	201	349	360	472	506	502	615	552	649	652	-
TOTAL MINORITY GRADUATES	27	34	28	33	41	36	40	42	50	57	-
MIAMI, UNIVERSITY OF											
TOTAL ENGINEERING ENROLLMENT	422	461	469	525	453	873	1102	1141	1175	1039	1104
TOTAL MINORITY ENROLLMENT	139	143	153	202	187	303	191	350	372	515	255
TOTAL ENGINEERING GRADUATES	100	104	100	67	82	101	195	228	292	301	-
TOTAL MINORITY GRADUATES	42	37	35	20	32	37	43	54	84	50	-
SOUTH FLORIDA, UNIVERSITY OF											
TOTAL ENGINEERING ENROLLMENT	987	1277	1338	1457	1655	1915	1996	2382	2477	2306	2379
TOTAL MINORITY ENROLLMENT	58	65	86	94	114	156	168	198	266	164	247
TOTAL ENGINEERING GRADUATES	131	147	156	150	169	158	187	201	270	349	-
TOTAL MINORITY GRADUATES	8	6	18	2	5	12	11	13	24	35	-
GEORGIA											
GEORGIA INSTITUTE OF TECHNOLOGY											
TOTAL ENGINEERING ENROLLMENT	3309	4051	4367	5418	6032	6028	6645	6667	6663	5786	5604
TOTAL MINORITY ENROLLMENT	104	174	251	375	493	544	531	520	559	475	517
TOTAL ENGINEERING GRADUATES	656	700	632	767	885	985	1196	1313	1392	1315	-
TOTAL MINORITY GRADUATES	14	11	23	34	47	56	86	96	69	109	-

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UNDERGRADUATE ENGINEERING ENROLLMENT AND GRADUATION BY STATE AND INSTITUTION

1974-75 TO 1984-85

INSTITUTION	74-75	75-76	76-77	77-78	78-79	79-80	80-81	81-82	82-83	83-84	84-85
GEORGIA, UNIVERSITY OF											
TOTAL ENGINEERING ENROLLMENT	65	77	76	100	115	174	160	233	167	201	159
TOTAL MINORITY ENROLLMENT	3	2	3	4	-	5	1	2	-	2	5
TOTAL ENGINEERING GRADUATES	14	22	13	14	18	28	27	26	39	35	-
TOTAL MINORITY GRADUATES	-	1	-	-	-	2	-	-	-	2	-
HAWAII											
HAWAII, UNIVERSITY OF											
TOTAL ENGINEERING ENROLLMENT	749	876	1020	1090	1094	1016	952	1051	1074	1227	1314
TOTAL MINORITY ENROLLMENT	-	-	-	-	-	12	12	10	-	16	-
TOTAL ENGINEERING GRADUATES	177	141	125	168	178	213	180	193	155	192	-
TOTAL MINORITY GRADUATES	2	-	-	-	-	-	1	-	-	-	-
IDAHO											
IDAHO STATE UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	126	118	127	114	149	263	276	229	356	328	328
TOTAL MINORITY ENROLLMENT	-	2	1	2	-	-	-	-	-	-	-
TOTAL ENGINEERING GRADUATES	9	12	19	12	23	18	19	26	34	19	-
TOTAL MINORITY GRADUATES	-	-	-	-	-	1	-	-	-	-	-
IDAHO, UNIVERSITY OF											
TOTAL ENGINEERING ENROLLMENT	524	668	739	832	890	918	1030	1227	1326	1354	1354
TOTAL MINORITY ENROLLMENT	7	3	8	14	8	17	10	11	16	13	13
TOTAL ENGINEERING GRADUATES	99	95	103	118	144	171	151	191	196	223	-
TOTAL MINORITY GRADUATES	-	-	1	-	-	1	2	1	5	-	-
ILLINOIS											
AEROSPACE INSTITUTE											
TOTAL ENGINEERING ENROLLMENT	-	35	22	-	-	-	-	-	-	-	-
TOTAL MINORITY ENROLLMENT	-	1	7	-	-	-	-	-	-	-	-
TOTAL ENGINEERING GRADUATES	11	9	6	-	-	-	-	-	-	-	-
TOTAL MINORITY GRADUATES	1	-	1	-	-	-	-	-	-	-	-
BRADLEY UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	372	417	482	561	613	642	683	832	760	799	641
TOTAL MINORITY ENROLLMENT	21	9	10	24	17	28	28	24	26	44	23
TOTAL ENGINEERING GRADUATES	65	67	74	81	85	124	146	166	144	183	-
TOTAL MINORITY GRADUATES	1	-	3	2	4	4	3	4	2	1	-
CHICAGO TECHNICAL COLLEGE											
TOTAL ENGINEERING ENROLLMENT	317	181	137	-	-	-	-	-	-	-	-
TOTAL MINORITY ENROLLMENT	30	-	34	-	-	-	-	-	-	-	-
TOTAL ENGINEERING GRADUATES	145	101	92	-	-	-	-	-	-	-	-
TOTAL MINORITY GRADUATES	44	14	18	-	-	-	-	-	-	-	-

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UNDERGRADUATE ENGINEERING ENROLLMENT AND GRADUATION BY STATE AND INSTITUTION

1974-75 TO 1984-85

INSTITUTION	74-75	75-76	76-77	77-78	78-79	79-80	80-81	81-82	82-83	83-84	84-85
ILLINOIS INSTITUTE OF TECHNOLOGY											
TOTAL ENGINEERING ENROLLMENT	976	905	1265	1434	1391	1543	1591	1660	1731	1508	1508
TOTAL MINORITY ENROLLMENT	83	84	149	226	242	290	326	347	248	231	231
TOTAL ENGINEERING GRADUATES	246	222	233	247	284	321	330	355	359	332	-
TOTAL MINORITY GRADUATES	6	8	14	13	23	38	36	55	27	21	-
ILLINOIS, UNIVERSITY OF, CHICAGO											
TOTAL ENGINEERING ENROLLMENT	1799	2080	2143	2319	2531	2892	3257	2912	3061	2484	2462
TOTAL MINORITY ENROLLMENT	221	314	298	367	465	600	599	448	481	315	289
TOTAL ENGINEERING GRADUATES	291	237	246	254	278	337	346	357	403	404	-
TOTAL MINORITY GRADUATES	14	14	14	-	24	26	8	29	19	25	-
ILLINOIS, UNIVERSITY OF, URBANA-CHAMPAIG											
TOTAL ENGINEERING ENROLLMENT	3607	4137	4636	4748	5193	5373	5884	5885	5683	5532	5560
TOTAL MINORITY ENROLLMENT	100	96	135	128	179	212	237	223	246	270	245
TOTAL ENGINEERING GRADUATES	676	730	877	965	1084	1257	1392	1452	1450	1423	-
TOTAL MINORITY GRADUATES	22	10	14	17	12	34	24	22	23	32	-
MIDWEST COLLEGE OF ENGINEERING											
TOTAL ENGINEERING ENROLLMENT	-	30	30	30	-	8	11	34	37	-	-
TOTAL MINORITY ENROLLMENT	-	-	-	-	-	-	-	1	-	-	-
TOTAL ENGINEERING GRADUATES	11	7	10	13	26	13	11	11	19	-	-
TOTAL MINORITY GRADUATES	1	-	-	1	1	1	1	1	-	-	-
MILLIKIN UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	54	56	55	55	59	74	79	88	85	58	62
TOTAL MINORITY ENROLLMENT	-	-	-	-	1	-	2	1	10	3	3
TOTAL ENGINEERING GRADUATES	8	4	14	17	7	11	10	17	17	18	-
TOTAL MINORITY GRADUATES	-	-	-	-	1	-	1	-	-	1	-
NORTHWESTERN UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	798	884	1014	1111	1218	1229	1299	1281	1334	1440	1338
TOTAL MINORITY ENROLLMENT	65	67	77	109	133	134	134	146	160	163	156
TOTAL ENGINEERING GRADUATES	149	165	178	212	221	242	283	301	287	298	-
TOTAL MINORITY GRADUATES	9	14	8	15	18	16	26	30	25	20	-
PARKS COLLEGE OF ST. LOUIS UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	91	88	101	105	247	286	342	397	456	489	493
TOTAL MINORITY ENROLLMENT	6	4	4	-	6	10	15	14	17	37	14
TOTAL ENGINEERING GRADUATES	81	73	68	22	35	45	84	35	103	58	-
TOTAL MINORITY GRADUATES	1	2	1	-	-	2	-	-	2	2	-

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1974-75 TO 1984-85

INSTITUTION	74-75	75-76	76-77	77-78	78-79	79-80	80-81	81-82	82-83	83-84	84-85
SOUTHERN ILLINOIS UNIVERSITY, CARBONDALE											
TOTAL ENGINEERING ENROLLMENT	306	376	483	608	541	589	760	1038	1139	1064	1206
TOTAL MINORITY ENROLLMENT	8	34	20	10	-	-	11	43	51	61	52
TOTAL ENGINEERING GRADUATES	40	47	52	66	95	77	89	97	138	225	-
TOTAL MINORITY GRADUATES	-	-	-	2	1	-	1	2	13	-	-
SOUTHERN ILLINOIS UNIVERSITY, EDWARDSVIL											
TOTAL ENGINEERING ENROLLMENT	185	178	155	247	295	284	292	559	464	424	456
TOTAL MINORITY ENROLLMENT	-	6	10	10	5	6	2	16	36	13	38
TOTAL ENGINEERING GRADUATES	28	26	29	35	43	60	54	80	58	58	-
TOTAL MINORITY GRADUATES	-	-	-	-	-	1	1	-	-	-	-
INDIANA											
EVANSVILLE, UNIVERSITY OF											
TOTAL ENGINEERING ENROLLMENT	217	152	217	253	350	364	480	391	450	450	668
TOTAL MINORITY ENROLLMENT	9	-	9	3	9	11	19	13	10	10	13
TOTAL ENGINEERING GRADUATES	32	39	40	40	53	35	70	89	127	140	-
TOTAL MINORITY GRADUATES	-	-	1	1	-	-	-	1	5	2	-
INDIANA INSTITUTE OF TECHNOLOGY											
TOTAL ENGINEERING ENROLLMENT	230	234	243	241	286	291	302	250	271	222	200
TOTAL MINORITY ENROLLMENT	16	21	14	14	8	13	15	18	19	27	27
TOTAL ENGINEERING GRADUATES	62	48	38	36	33	35	32	29	35	31	-
TOTAL MINORITY GRADUATES	3	4	2	2	3	-	1	1	-	-	-
NOTRE DAME, UNIVERSITY OF											
TOTAL ENGINEERING ENROLLMENT	1081	1175	1015	998	1116	1209	1363	1518	1638	1588	1499
TOTAL MINORITY ENROLLMENT	30	27	46	52	56	60	66	69	67	77	68
TOTAL ENGINEERING GRADUATES	238	153	159	191	227	263	270	303	377	374	-
TOTAL MINORITY GRADUATES	10	2	4	5	10	15	9	12	10	13	-
PURDUE UNIVERSITY, CALUMET											
TOTAL ENGINEERING ENROLLMENT	-	271	-	272	219	232	257	334	345	357	324
TOTAL MINORITY ENROLLMENT	-	16	-	15	28	23	9	35	31	29	28
TOTAL ENGINEERING GRADUATES	-	23	35	-	13	37	30	52	45	50	-
TOTAL MINORITY GRADUATES	-	1	-	-	-	3	1	2	2	2	-
PURDUE UNIVERSITY, FT. WAYNE											
TOTAL ENGINEERING ENROLLMENT	-	136	-	-	-	147	175	205	223	211	203
TOTAL MINORITY ENROLLMENT	-	1	-	-	-	-	2	2	-	3	11
TOTAL ENGINEERING GRADUATES	-	-	-	-	-	-	-	-	-	3	-
TOTAL MINORITY GRADUATES	-	-	-	-	-	-	-	-	-	-	-

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UNDERGRADUATE ENGINEERING ENROLLMENT AND GRADUATION BY STATE AND INSTITUTION

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INSTITUTION	74-75	75-76	76-77	77-78	78-79	79-80	80-81	81-82	82-83	83-84	84-85
PURDUE UNIVERSITY, INDIANAPOLIS											
TOTAL ENGINEERING ENROLLMENT	-	34	-	183	212	218	272	282	341	317	286
TOTAL MINORITY ENROLLMENT	-	-	-	7	8	15	22	26	25	30	28
TOTAL ENGINEERING GRADUATES	-	18	7	23	18	34	32	39	52	95	-
TOTAL MINORITY GRADUATES	-	2	-	2	-	-	-	1	2	2	-
PURDUE UNIVERSITY, WEST LAFAYETTE											
TOTAL ENGINEERING ENROLLMENT	4777	4999	6409	6255	6193	6974	6280	6262	6319	6587	6488
TOTAL MINORITY ENROLLMENT	114	160	256	264	286	298	310	356	373	353	330
TOTAL ENGINEERING GRADUATES	946	811	895	947	1137	1442	1306	1313	1446	1386	-
TOTAL MINORITY GRADUATES	17	14	10	17	22	29	23	45	54	62	-
ROSE-HULMAN INSTITUTE OF TECHNOLOGY											
TOTAL ENGINEERING ENROLLMENT	830	879	923	949	959	1012	1054	1043	1072	1290	1279
TOTAL MINORITY ENROLLMENT	6	6	4	1	5	6	10	13	10	12	9
TOTAL ENGINEERING GRADUATES	187	162	177	227	192	224	230	217	242	260	-
TOTAL MINORITY GRADUATES	1	1	1	1	-	-	-	1	-	3	-
TRI-STATE UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	605	580	609	737	738	694	737	681	658	616	562
TOTAL MINORITY ENROLLMENT	9	3	16	15	9	-	-	-	-	-	-
TOTAL ENGINEERING GRADUATES	123	109	118	118	78	112	155	99	141	146	-
TOTAL MINORITY GRADUATES	-	1	-	-	-	-	-	-	4	-	-
VALPARAISO UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	318	348	418	433	475	504	516	530	523	504	493
TOTAL MINORITY ENROLLMENT	6	9	6	5	13	9	5	14	-	9	7
TOTAL ENGINEERING GRADUATES	65	45	76	72	77	94	76	95	115	109	-
TOTAL MINORITY GRADUATES	1	-	1	2	1	-	-	-	2	-	-
IOWA											
IOWA STATE UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	2988	3387	4050	4265	3785	4176	4583	4824	5163	5203	5272
TOTAL MINORITY ENROLLMENT	31	39	31	46	35	43	75	84	113	138	118
TOTAL ENGINEERING GRADUATES	330	466	482	495	613	637	818	733	754	784	-
TOTAL MINORITY GRADUATES	1	1	2	1	1	4	3	8	12	9	-
IOWA, UNIVERSITY OF											
TOTAL ENGINEERING ENROLLMENT	449	658	614	647	755	760	858	1015	1149	1177	1269
TOTAL MINORITY ENROLLMENT	10	21	15	16	20	14	7	11	15	20	31
TOTAL ENGINEERING GRADUATES	79	82	84	33	128	132	178	162	185	182	-
TOTAL MINORITY GRADUATES	1	-	-	2	2	3	4	2	-	1	-

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UNDERGRADUATE ENGINEERING ENROLLMENT AND GRADUATION BY STATE AND INSTITUTION

1974-75 TO 1984-85

INSTITUTION	74-75	75-76	76-77	77-78	78-79	79-80	80-81	81-82	82-83	83-84	84-85
KANSAS											
KANSAS STATE UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	1009	1282	1385	1600	1965	1893	2061	2452	2571	2159	2234
TOTAL MINORITY ENROLLMENT	18	27	31	38	44	53	47	58	77	79	94
TOTAL ENGINEERING GRADUATES	230	212	232	289	273	241	276	399	430	434	-
TOTAL MINORITY GRADUATES	3	4	3	2	3	5	4	6	7	14	-
KANSAS, UNIVERSITY OF											
TOTAL ENGINEERING ENROLLMENT	1012	1254	1494	1594	1704	1794	1932	1948	1963	1894	1660
TOTAL MINORITY ENROLLMENT	39	57	86	87	118	128	133	112	88	84	103
TOTAL ENGINEERING GRADUATES	197	190	239	245	292	273	289	295	343	336	-
TOTAL MINORITY GRADUATES	-	3	9	6	7	5	4	-	17	13	-
WICHITA STATE UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	821	843	798	601	619	621	658	745	908	797	1336
TOTAL MINORITY ENROLLMENT	7	4	8	32	25	33	40	43	-	39	72
TOTAL ENGINEERING GRADUATES	72	58	76	83	70	85	115	118	137	141	-
TOTAL MINORITY GRADUATES	2	-	3	1	1	-	1	2	-	3	-
KENTUCKY											
KENTUCKY, UNIVERSITY OF											
TOTAL ENGINEERING ENROLLMENT	1003	1169	1378	1719	1950	1673	1789	1891	1926	1690	1599
TOTAL MINORITY ENROLLMENT	24	20	17	31	42	41	46	53	66	54	41
TOTAL ENGINEERING GRADUATES	174	199	183	205	262	331	345	333	375	339	-
TOTAL MINORITY GRADUATES	3	5	2	1	1	3	10	2	4	4	-
LOUISVILLE, UNIVERSITY OF											
TOTAL ENGINEERING ENROLLMENT	667	847	921	922	919	915	1001	991	1075	1134	1069
TOTAL MINORITY ENROLLMENT	16	30	33	31	30	30	38	32	36	39	59
TOTAL ENGINEERING GRADUATES	102	118	129	129	155	183	146	180	194	217	-
TOTAL MINORITY GRADUATES	1	1	5	2	4	4	5	5	6	8	-
LOUISIANA											
LOUISIANA STATE UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	1501	1807	2104	2419	2822	3105	3328	3652	3771	3527	3041
TOTAL MINORITY ENROLLMENT	135	63	93	102	156	172	230	216	249	247	209
TOTAL ENGINEERING GRADUATES	243	206	236	246	295	392	387	448	473	446	-
TOTAL MINORITY GRADUATES	9	7	7	5	3	-	4	8	19	12	-
LOUISIANA TECHNOLOGICAL UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	408	501	661	1231	1421	954	2222	2327	1976	1754	1525
TOTAL MINORITY ENROLLMENT	14	16	16	56	92	53	53	81	66	65	134
TOTAL ENGINEERING GRADUATES	118	144	123	153	139	275	265	233	253	319	-
TOTAL MINORITY GRADUATES	5	2	2	1	3	17	17	17	6	11	-

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INSTITUTION	74-75	75-76	76-77	77-78	78-79	79-80	80-81	81-82	82-83	83-84	84-85
MC NEESE STATE UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	211	285	270	310	342	333	337	283	494	375	312
TOTAL MINORITY ENROLLMENT	19	17	14	22	29	16	20	2	49	43	39
TOTAL ENGINEERING GRADUATES	24	23	31	18	22	22	17	45	37	31	-
TOTAL MINORITY GRADUATES	2	1	-	1	-	1	9	2	3	5	-
NEW ORLEANS, UNIVERSITY OF											
TOTAL ENGINEERING ENROLLMENT	290	715	211	275	373	472	502	712	-	1539	1539
TOTAL MINORITY ENROLLMENT	7	11	11	18	17	64	92	61	-	-	-
TOTAL ENGINEERING GRADUATES	54	58	48	60	60	81	116	116	112	131	-
TOTAL MINORITY GRADUATES	3	2	1	-	-	2	8	8	7	-	-
SOUTHERN UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	293	417	528	632	690	795	864	1067	1093	1096	1081
TOTAL MINORITY ENROLLMENT	278	407	502	566	557	598	565	712	795	740	628
TOTAL ENGINEERING GRADUATES	32	29	26	45	116	131	154	176	167	153	-
TOTAL MINORITY GRADUATES	30	26	20	32	58	74	70	55	41	57	-
SOUTHWESTERN LOUISIANA, UNIVERSITY OF											
TOTAL ENGINEERING ENROLLMENT	515	743	1059	1199	1251	1262	1202	1422	1458	1443	1381
TOTAL MINORITY ENROLLMENT	-	-	20	55	65	84	87	107	120	92	91
TOTAL ENGINEERING GRADUATES	74	73	75	104	140	151	166	188	169	178	-
TOTAL MINORITY GRADUATES	4	1	-	-	-	-	-	2	5	11	-
TULANE UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	488	648	735	840	813	846	904	952	933	933	888
TOTAL MINORITY ENROLLMENT	32	57	88	68	89	72	102	88	61	61	59
TOTAL ENGINEERING GRADUATES	82	100	104	155	169	170	194	186	189	207	-
TOTAL MINORITY GRADUATES	4	8	12	2	15	7	24	19	18	23	-
MAINE											
MAINE MARITIME ACADEMY											
TOTAL ENGINEERING ENROLLMENT	386	485	449	494	640	467	456	470	497	488	344
TOTAL MINORITY ENROLLMENT	1	4	5	3	-	5	5	-	-	6	4
TOTAL ENGINEERING GRADUATES	58	63	69	103	103	141	148	80	98	110	-
TOTAL MINORITY GRADUATES	-	1	1	2	2	3	1	-	1	2	-
MAINE, UNIVERSITY OF											
TOTAL ENGINEERING ENROLLMENT	-	-	865	-	-	-	1172	1056	-	-	-
TOTAL MINORITY ENROLLMENT	-	-	7	-	-	-	-	4	-	-	-
TOTAL ENGINEERING GRADUATES	145	156	176	-	-	-	-	-	-	-	-
TOTAL MINORITY GRADUATES	1	2	1	-	-	-	-	-	-	-	-

NATIONAL ACTION COUNCIL FOR MINORITIES IN ENGINEERING

UNDERGRADUATE ENGINEERING ENROLLMENT AND GRADUATION BY STATE AND INSTITUTION

1974-75 TO 1984-85

INSTITUTION	74-75	75-76	76-77	77-78	78-79	79-80	80-81	81-82	82-83	83-84	84-85
MAINE, UNIVERSITY OF, ORONO											
TOTAL ENGINEERING ENROLLMENT	717	781	-	902	940	1011	-	-	1219	1180	1110
TOTAL MINORITY ENROLLMENT	-	4	-	-	5	6	-	-	3	8	5
TOTAL ENGINEERING GRADUATES	-	-	-	188	195	233	229	229	214	260	-
TOTAL MINORITY GRADUATES	-	-	-	-	-	-	-	-	-	-	-
MARYLAND											
JOHNS HOPKINS UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	121	182	228	262	276	335	442	495	532	596	595
TOTAL MINORITY ENROLLMENT	6	8	13	13	16	17	26	26	42	36	32
TOTAL ENGINEERING GRADUATES	99	101	98	104	120	146	130	97	182	140	-
TOTAL MINORITY GRADUATES	2	2	4	8	11	8	7	-	8	5	-
LOYOLA COLLEGE											
TOTAL ENGINEERING ENROLLMENT	32	37	47	49	114	140	205	87	109	117	130
TOTAL MINORITY ENROLLMENT	-	1	1	-	4	5	7	6	6	1	2
TOTAL ENGINEERING GRADUATES	8	7	12	7	6	8	8	13	20	30	-
TOTAL MINORITY GRADUATES	-	-	-	-	-	-	-	1	-	-	-
MARYLAND, UNIVERSITY OF, COLLEGE PARK											
TOTAL ENGINEERING ENROLLMENT	1571	2018	2307	2669	3181	3189	3584	3424	3331	3564	3041
TOTAL MINORITY ENROLLMENT	64	58	84	146	182	219	290	254	229	248	206
TOTAL ENGINEERING GRADUATES	275	245	267	358	359	465	590	559	732	642	-
TOTAL MINORITY GRADUATES	5	6	11	6	9	16	15	12	25	25	-
UNITED STATES NAVAL ACADEMY											
TOTAL ENGINEERING ENROLLMENT	924	1101	1229	1250	1255	1294	1350	1384	1322	1322	2581
TOTAL MINORITY ENROLLMENT	38	59	52	58	66	74	77	83	72	72	210
TOTAL ENGINEERING GRADUATES	292	277	299	370	298	356	328	422	422	377	-
TOTAL MINORITY GRADUATES	6	7	11	9	10	23	16	17	17	24	-
MASSACHUSETTS											
BOSTON UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	270	294	490	638	639	1035	1536	1465	1621	1750	1897
TOTAL MINORITY ENROLLMENT	20	29	61	87	90	169	269	229	194	175	150
TOTAL ENGINEERING GRADUATES	22	29	46	59	97	125	164	204	228	317	-
TOTAL MINORITY GRADUATES	1	2	6	4	6	12	21	16	18	24	-
HARVARD UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	90	124	137	176	242	220	261	270	344	345	345
TOTAL MINORITY ENROLLMENT	3	6	4	6	6	15	6	17	27	29	29
TOTAL ENGINEERING GRADUATES	32	40	65	72	75	77	80	82	84	88	-
TOTAL MINORITY GRADUATES	5	6	3	4	-	4	5	-	7	4	-

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UNDERGRADUATE ENGINEERING ENROLLMENT AND GRADUATION BY STATE AND INSTITUTION

1974-75 TO 1984-85

INSTITUTION	74-75	75-76	76-77	77-78	78-79	79-80	80-81	81-82	82-83	83-84	84-85
LOWELL, UNIVERSITY OF											
TOTAL ENGINEERING ENROLLMENT	1499	1809	1638	1731	1999	1933	2203	2782	2547	2547	2626
TOTAL MINORITY ENROLLMENT	32	29	27	28	10	12	20	12	17	17	21
TOTAL ENGINEERING GRADUATES	281	275	324	315	269	283	293	328	328	463	-
TOTAL MINORITY GRADUATES	4	5	8	5	3	2	5	7	7	-	-
MASSACHUSETTS INSTITUTE OF TECHNOLOGY											
TOTAL ENGINEERING ENROLLMENT	2583	1475	1801	1980	2106	2257	2246	2328	1956	2358	2296
TOTAL MINORITY ENROLLMENT	73	86	94	127	150	188	202	205	177	223	220
TOTAL ENGINEERING GRADUATES	437	437	462	552	698	666	683	721	742	789	-
TOTAL MINORITY GRADUATES	18	16	18	29	23	44	37	47	65	67	-
MASSACHUSETTS MARITIME ACADEMY											
TOTAL ENGINEERING ENROLLMENT	524	610	627	643	676	668	668	644	604	646	611
TOTAL MINORITY ENROLLMENT	12	8	9	2	1	2	2	5	1	3	7
TOTAL ENGINEERING GRADUATES	72	74	106	122	123	122	150	123	123	126	-
TOTAL MINORITY GRADUATES	1	-	3	-	2	3	-	2	2	-	-
MASSACHUSETTS, UNIVERSITY OF, AMHERST											
TOTAL ENGINEERING ENROLLMENT	1096	1334	1489	1729	1979	2164	2221	2394	2538	2373	2322
TOTAL MINORITY ENROLLMENT	39	73	80	90	98	87	103	90	109	113	134
TOTAL ENGINEERING GRADUATES	184	164	212	301	281	316	315	410	512	474	-
TOTAL MINORITY GRADUATES	3	1	5	8	6	9	5	12	6	17	-
MERRIMACK COLLEGE											
TOTAL ENGINEERING ENROLLMENT	108	145	157	161	183	183	176	197	234	243	245
TOTAL MINORITY ENROLLMENT	-	1	2	1	1	3	-	-	-	-	-
TOTAL ENGINEERING GRADUATES	26	16	19	22	23	41	39	34	33	38	-
TOTAL MINORITY GRADUATES	-	-	-	-	-	2	-	-	-	-	-
MOUNT WASHUSETT COMMUNITY COLLEGE											
TOTAL ENGINEERING ENROLLMENT	-	-	-	-	-	162	-	-	-	-	-
TOTAL MINORITY ENROLLMENT	-	-	-	-	-	5	-	-	-	-	-
TOTAL ENGINEERING GRADUATES	-	-	-	-	-	-	-	-	-	-	-
TOTAL MINORITY GRADUATES	-	-	-	-	-	-	-	-	-	-	-
NORTHEASTERN UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	2126	2155	2347	2794	3150	3714	4139	4145	3811	3717	3593
TOTAL MINORITY ENROLLMENT	-	101	178	273	270	215	163	166	146	131	139
TOTAL ENGINEERING GRADUATES	462	380	349	359	553	451	527	658	675	717	-
TOTAL MINORITY GRADUATES	10	12	23	15	20	11	8	26	34	28	-

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UNDERGRADUATE ENGINEERING ENROLLMENT AND GRADUATION BY STATE AND INSTITUTION

1974-75 TO 1984-85

INSTITUTION	74-75	75-76	76-77	77-78	78-79	79-80	80-81	81-82	82-83	83-84	84-85
SOUTHEASTERN MASSACHUSETTS UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	286	334	400	452	467	478	494	557	649	739	746
TOTAL MINORITY ENROLLMENT	-	2	5	11	6	7	14	14	1	3	11
TOTAL ENGINEERING GRADUATES	41	40	57	56	78	104	84	97	99	99	-
TOTAL MINORITY GRADUATES	-	-	-	-	-	-	-	-	1	1	-
TUFTS UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	620	697	734	797	878	877	884	930	981	929	898
TOTAL MINORITY ENROLLMENT	10	14	11	24	22	26	26	24	24	16	23
TOTAL ENGINEERING GRADUATES	112	156	172	147	163	178	225	221	204	223	-
TOTAL MINORITY GRADUATES	3	3	2	-	5	5	8	4	6	7	-
WESTERN NEW ENGLAND COLLEGE											
TOTAL ENGINEERING ENROLLMENT	178	202	227	208	330	389	429	485	567	567	592
TOTAL MINORITY ENROLLMENT	4	4	9	-	-	9	13	8	5	5	6
TOTAL ENGINEERING GRADUATES	62	56	43	42	40	69	62	72	82	116	-
TOTAL MINORITY GRADUATES	-	-	1	-	-	3	1	4	-	1	-
WORCESTER POLYTECHNIC INSTITUTE											
TOTAL ENGINEERING ENROLLMENT	1306	1503	1498	1519	1704	1749	1815	1968	1937	1996	1957
TOTAL MINORITY ENROLLMENT	17	13	26	16	20	15	21	22	21	17	19
TOTAL ENGINEERING GRADUATES	255	292	279	297	345	436	400	463	436	508	-
TOTAL MINORITY GRADUATES	1	7	4	1	2	2	4	2	3	5	-
MICHIGAN											
ANDREWS UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	15	17	-	-	-	-	-	-	-	-	-
TOTAL MINORITY ENROLLMENT	2	3	-	-	-	-	-	-	-	-	-
TOTAL ENGINEERING GRADUATES	1	-	-	-	-	-	-	-	-	-	-
TOTAL MINORITY GRADUATES	-	-	-	-	-	-	-	-	-	-	-
DETROIT INSTITUTE OF TECHNOLOGY											
TOTAL ENGINEERING ENROLLMENT	417	414	310	446	446	264	53	-	-	-	-
TOTAL MINORITY ENROLLMENT	58	22	119	63	63	-	11	-	-	-	-
TOTAL ENGINEERING GRADUATES	46	48	40	40	26	186	186	-	-	-	-
TOTAL MINORITY GRADUATES	-	-	2	2	4	1	1	-	-	-	-
DETROIT, UNIVERSITY OF											
TOTAL ENGINEERING ENROLLMENT	406	382	431	504	498	513	497	515	553	692	698
TOTAL MINORITY ENROLLMENT	49	54	54	54	54	53	53	86	56	81	52
TOTAL ENGINEERING GRADUATES	88	86	64	54	73	90	94	101	110	104	-
TOTAL MINORITY GRADUATES	6	2	5	2	3	9	11	8	8	7	-

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UNDERGRADUATE ENGINEERING ENROLLMENT AND GRADUATION BY STATE AND INSTITUTION

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INSTITUTION	74-75	75-76	76-77	77-78	78-79	79-80	80-81	81-82	82-83	83-84	84-85
GMI ENGINEERING & MANAGEMENT INSTITUTE											
TOTAL ENGINEERING ENROLLMENT	2043	1689	1633	1694	1656	1713	1805	1957	2079	2173	2327
TOTAL MINORITY ENROLLMENT	185	145	165	181	173	194	195	212	179	166	160
TOTAL ENGINEERING GRADUATES	402	321	276	361	344	195	263	312	318	351	-
TOTAL MINORITY GRADUATES	4	12	19	19	31	17	20	35	24	31	-
LAWRENCE INSTITUTE OF TECHNOLOGY											
TOTAL ENGINEERING ENROLLMENT	901	979	1037	1131	1090	1389	1548	1762	2831	2020	2158
TOTAL MINORITY ENROLLMENT	22	202	74	117	81	105	104	135	126	130	160
TOTAL ENGINEERING GRADUATES	134	130	138	141	168	181	258	347	407	383	-
TOTAL MINORITY GRADUATES	4	2	3	2	3	8	14	14	18	8	-
MICHIGAN STATE UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	1995	2382	2516	2874	3316	3701	3985	4152	4362	4384	4250
TOTAL MINORITY ENROLLMENT	88	140	150	178	201	251	239	334	356	384	396
TOTAL ENGINEERING GRADUATES	406	424	458	500	550	677	713	674	715	708	-
TOTAL MINORITY GRADUATES	9	11	17	14	9	21	10	18	13	17	-
MICHIGAN TECHNOLOGICAL UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	2182	2471	2866	3275	3756	4347	4647	4683	4693	4523	4185
TOTAL MINORITY ENROLLMENT	31	26	35	30	40	52	48	40	55	47	49
TOTAL ENGINEERING GRADUATES	399	362	454	464	511	547	742	785	893	995	-
TOTAL MINORITY GRADUATES	5	7	4	4	1	3	4	5	6	7	-
MICHIGAN, UNIVERSITY OF, ANN ARBOR											
TOTAL ENGINEERING ENROLLMENT	2769	3099	3452	3619	3693	3798	3911	3918	3952	3875	3753
TOTAL MINORITY ENROLLMENT	163	139	146	152	143	146	166	161	182	193	184
TOTAL ENGINEERING GRADUATES	588	682	683	795	795	917	917	997	1081	1162	-
TOTAL MINORITY GRADUATES	21	19	-	31	23	23	23	23	34	42	-
MICHIGAN, UNIVERSITY OF, DEARBORN											
TOTAL ENGINEERING ENROLLMENT	401	531	531	588	746	773	861	829	775	698	698
TOTAL MINORITY ENROLLMENT	9	10	15	23	30	32	37	41	42	57	57
TOTAL ENGINEERING GRADUATES	53	75	66	79	84	115	150	183	182	164	-
TOTAL MINORITY GRADUATES	-	-	31	2	5	1	1	2	3	2	-
OAKLAND UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	380	404	416	434	445	554	674	789	689	651	651
TOTAL MINORITY ENROLLMENT	26	26	21	24	15	-	21	56	41	45	45
TOTAL ENGINEERING GRADUATES	38	51	54	91	90	82	95	114	182	182	-
TOTAL MINORITY GRADUATES	-	1	1	4	1	-	-	1	2	2	-

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INSTITUTION	74-75	75-76	76-77	77-78	78-79	79-80	80-81	81-82	82-83	83-84	84-85
WAYNE STATE UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	593	733	719	1125	728	1038	1155	1871	1415	1267	1047
TOTAL MINORITY ENROLLMENT	119	156	203	50	262	291	144	156	167	167	-
TOTAL ENGINEERING GRADUATES	142	145	74	81	125	160	169	223	298	213	-
TOTAL MINORITY GRADUATES	19	19	8	16	24	11	13	15	19	20	-
WESTERN MICHIGAN UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	510	647	769	734	833	989	1234	1104	1195	1268	1265
TOTAL MINORITY ENROLLMENT	34	30	38	44	39	40	57	50	50	52	34
TOTAL ENGINEERING GRADUATES	137	99	146	137	146	139	160	174	173	169	-
TOTAL MINORITY GRADUATES	6	3	3	-	3	-	6	1	4	-	-
MINNESOTA											
MINNESOTA, UNIVERSITY OF											
TOTAL ENGINEERING ENROLLMENT	1683	2342	2556	2895	3147	3407	3868	4072	4341	4297	4095
TOTAL MINORITY ENROLLMENT	-	42	27	37	39	56	54	63	72	76	83
TOTAL ENGINEERING GRADUATES	442	494	478	571	704	751	735	790	836	906	-
TOTAL MINORITY GRADUATES	-	1	2	3	1	6	7	5	23	-	-
MISSISSIPPI											
MISSISSIPPI STATE UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	1022	1192	1207	1497	1666	1651	1805	2168	2209	2193	2309
TOTAL MINORITY ENROLLMENT	27	39	76	52	99	106	122	132	141	154	176
TOTAL ENGINEERING GRADUATES	233	201	154	206	296	295	318	348	396	396	-
TOTAL MINORITY GRADUATES	6	7	6	5	9	8	9	20	13	10	-
MISSISSIPPI, UNIVERSITY OF											
TOTAL ENGINEERING ENROLLMENT	280	355	410	575	638	602	590	751	702	761	641
TOTAL MINORITY ENROLLMENT	7	11	15	20	48	36	44	49	51	52	48
TOTAL ENGINEERING GRADUATES	55	56	51	58	93	117	124	124	105	154	-
TOTAL MINORITY GRADUATES	1	2	-	-	1	3	10	1	2	6	-
MISSOURI											
MISSOURI, UNIVERSITY OF KANSAS CITY											
TOTAL ENGINEERING ENROLLMENT	-	-	-	61	209	266	320	356	-	-	-
TOTAL MINORITY ENROLLMENT	-	-	-	31	15	21	40	36	-	-	-
TOTAL ENGINEERING GRADUATES	-	-	16	10	38	42	64	64	-	-	-
TOTAL MINORITY GRADUATES	-	-	1	-	1	-	2	2	-	-	-
MISSOURI, UNIVERSITY OF, COLUMBIA											
TOTAL ENGINEERING ENROLLMENT	1192	1420	1592	1774	1874	1992	2173	2342	2728	2518	2346
TOTAL MINORITY ENROLLMENT	34	63	50	46	55	81	101	122	172	151	128
TOTAL ENGINEERING GRADUATES	213	211	249	254	321	794	381	438	535	521	-
TOTAL MINORITY GRADUATES	3	2	2	1	6	14	8	9	14	8	-

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MISSOURI, UNIVERSITY OF, ROLLA											
TOTAL ENGINEERING ENROLLMENT	2312	2780	3019	3425	3713	3903	4446	4930	5111	4352	4201
TOTAL MINORITY ENROLLMENT	79	97	124	153	157	211	225	235	218	180	157
TOTAL ENGINEERING GRADUATES	576	584	563	656	695	768	731	882	919	1057	-
TOTAL MINORITY GRADUATES	13	13	5	-	9	26	21	27	29	31	-
ROCKHURST COLLEGE											
TOTAL ENGINEERING ENROLLMENT	35	28	28	-	-	-	-	-	-	-	-
TOTAL MINORITY ENROLLMENT	4	3	3	-	-	-	-	-	-	-	-
TOTAL ENGINEERING GRADUATES	10	2	2	-	-	-	-	-	-	-	-
TOTAL MINORITY GRADUATES	-	-	-	-	-	-	-	-	-	-	-
WASHINGTON UNIVERSITY, ST. LOUIS											
TOTAL ENGINEERING ENROLLMENT	519	664	845	879	993	988	1074	1055	985	1114	1057
TOTAL MINORITY ENROLLMENT	29	35	43	49	56	53	56	64	53	69	54
TOTAL ENGINEERING GRADUATES	104	115	144	181	232	207	241	246	269	309	-
TOTAL MINORITY GRADUATES	6	5	4	6	8	9	11	11	11	13	-
MONTANA											
MONTANA COLLEGE OF MINERAL SCIENCE & TEC											
TOTAL ENGINEERING ENROLLMENT	348	418	498	560	620	633	808	624	653	980	876
TOTAL MINORITY ENROLLMENT	-	-	19	8	6	8	-	11	13	12	8
TOTAL ENGINEERING GRADUATES	48	52	68	76	70	103	111	148	166	185	-
TOTAL MINORITY GRADUATES	-	-	-	2	-	-	-	-	1	1	-
MONTANA STATE UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	918	986	1074	1309	1340	1422	1570	1692	1739	2307	1628
TOTAL MINORITY ENROLLMENT	9	6	13	52	5	-	22	-	-	-	16
TOTAL ENGINEERING GRADUATES	136	161	143	164	202	232	232	293	285	319	-
TOTAL MINORITY GRADUATES	1	1	-	-	1	2	-	-	1	1	-
NEBRASKA											
NEBRASKA WESLEYAN UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	-	-	-	-	-	-	-	-	23	-	-
TOTAL MINORITY ENROLLMENT	-	-	-	-	-	-	-	-	7	-	-
TOTAL ENGINEERING GRADUATES	-	-	-	-	-	-	-	-	-	-	-
TOTAL MINORITY GRADUATES	-	-	-	-	-	-	-	-	-	-	-
NEBRASKA, UNIVERSITY OF											
TOTAL ENGINEERING ENROLLMENT	-	-	-	1789	2022	2117	-	-	2132	2303	-
TOTAL MINORITY ENROLLMENT	-	-	-	20	29	38	-	-	38	17	-
TOTAL ENGINEERING GRADUATES	-	213	229	237	229	273	276	297	22	7	-
TOTAL MINORITY GRADUATES	-	-	-	-	2	1	3	-	1	-	-

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NEBRASKA, UNIVERSITY OF -LINCOLN											
TOTAL ENGINEERING ENROLLMENT	1283	1324	1475	-	-	-	2422	2184	-	-	1878
TOTAL MINORITY ENROLLMENT	5	10	18	-	-	-	40	32	-	-	20
TOTAL ENGINEERING GRADUATES	260	-	-	-	-	-	-	-	296	311	-
TOTAL MINORITY GRADUATES	-	-	-	-	-	-	-	-	2	-	-
NEVADA											
NEVADA, UNIVERSITY OF, LAS VEGAS											
TOTAL ENGINEERING ENROLLMENT	135	100	49	80	127	256	237	101	100	196	250
TOTAL MINORITY ENROLLMENT	12	4	6	1	-	49	5	5	12	17	16
TOTAL ENGINEERING GRADUATES	3	11	8	12	10	7	12	15	12	15	-
TOTAL MINORITY GRADUATES	-	1	1	-	-	-	-	-	1	1	-
NEVADA, UNIVERSITY OF, RENO											
TOTAL ENGINEERING ENROLLMENT	378	471	517	593	623	709	651	914	1043	1015	751
TOTAL MINORITY ENROLLMENT	11	16	14	22	24	26	18	23	36	36	3
TOTAL ENGINEERING GRADUATES	55	61	55	74	77	97	83	96	133	130	-
TOTAL MINORITY GRADUATES	1	-	3	4	1	2	2	3	2	3	-
NEW HAMPSHIRE											
DARTMOUTH COLLEGE											
TOTAL ENGINEERING ENROLLMENT	173	201	256	266	305	359	382	391	437	373	385
TOTAL MINORITY ENROLLMENT	11	14	15	10	19	23	22	23	27	19	9
TOTAL ENGINEERING GRADUATES	8	13	28	15	17	24	23	27	44	50	-
TOTAL MINORITY GRADUATES	-	-	-	-	-	2	-	-	3	4	-
NEW ENGLAND COLLEGE											
TOTAL ENGINEERING ENROLLMENT	37	38	55	58	-	74	74	-	106	91	85
TOTAL MINORITY ENROLLMENT	-	-	-	-	-	-	-	-	-	1	-
TOTAL ENGINEERING GRADUATES	9	7	11	5	9	6	14	-	23	23	-
TOTAL MINORITY GRADUATES	-	-	-	-	-	-	-	-	-	-	-
NEW HAMPSHIRE, UNIVERSITY OF											
TOTAL ENGINEERING ENROLLMENT	565	758	926	994	1101	1158	1084	1055	948	908	988
TOTAL MINORITY ENROLLMENT	-	1	-	-	1	-	-	8	-	-	-
TOTAL ENGINEERING GRADUATES	86	79	105	141	139	205	198	198	179	188	-
TOTAL MINORITY GRADUATES	-	-	-	-	-	-	-	-	1	-	-
NEW JERSEY											
FAIRLEIGH DICKINSON UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	246	212	239	289	374	329	518	558	596	662	662
TOTAL MINORITY ENROLLMENT	27	24	32	40	38	54	54	68	-	40	40
TOTAL ENGINEERING GRADUATES	117	108	106	94	75	82	145	145	181	181	-
TOTAL MINORITY GRADUATES	15	9	14	9	6	-	-	-	20	20	-

NATIONAL ACTION COUNCIL FOR MINORITIES IN ENGINEERING

UNDERGRADUATE ENGINEERING ENROLLMENT AND GRADUATION BY STATE AND INSTITUTION

1974-75 TO 1984-85

INSTITUTION	74-75	75-76	76-77	77-78	78-79	79-80	80-81	81-82	82-83	83-84	84-85
MONMOUTH COLLEGE											
TOTAL ENGINEERING ENROLLMENT	42	46	51	73	91	84	88	104	103	126	240
TOTAL MINORITY ENROLLMENT	4	3	1	5	8	12	5	4	3	4	8
TOTAL ENGINEERING GRADUATES	23	13	19	16	9	20	12	28	25	25	-
TOTAL MINORITY GRADUATES	-	1	2	-	-	2	1	1	1	-	-
NEW JERSEY INSTITUTE OF TECHNOLOGY											
TOTAL ENGINEERING ENROLLMENT	2016	2087	2051	2158	2004	2095	2210	2299	2445	2329	2323
TOTAL MINORITY ENROLLMENT	240	217	255	194	210	231	261	268	380	395	395
TOTAL ENGINEERING GRADUATES	584	433	430	399	439	388	447	454	485	476	-
TOTAL MINORITY GRADUATES	14	36	44	35	51	46	36	43	36	53	-
PRINCETON UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	648	778	814	843	842	854	849	886	874	840	855
TOTAL MINORITY ENROLLMENT	28	42	61	59	60	85	111	102	87	76	85
TOTAL ENGINEERING GRADUATES	99	148	151	202	190	188	190	213	221	190	-
TOTAL MINORITY GRADUATES	5	7	7	6	8	12	14	16	28	18	-
RUTGERS UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	970	1229	1533	1897	2100	2306	2476	2653	2676	2662	2681
TOTAL MINORITY ENROLLMENT	15	21	46	88	123	139	156	199	193	223	221
TOTAL ENGINEERING GRADUATES	148	185	214	267	347	403	416	492	580	577	-
TOTAL MINORITY GRADUATES	3	5	5	5	6	16	8	15	25	28	-
STEVENS INSTITUTE OF TECHNOLOGY											
TOTAL ENGINEERING ENROLLMENT	861	979	1065	1086	1177	1261	1341	1399	1419	1454	1368
TOTAL MINORITY ENROLLMENT	51	41	54	92	100	111	133	128	122	138	123
TOTAL ENGINEERING GRADUATES	158	170	214	170	213	248	212	283	266	300	-
TOTAL MINORITY GRADUATES	5	4	12	13	15	17	19	27	10	23	-
NEW MEXICO											
NEW MEXICO INSTITUTE OF MINING & TECHNOL											
TOTAL ENGINEERING ENROLLMENT	125	186	59	291	320	382	461	423	520	449	360
TOTAL MINORITY ENROLLMENT	-	23	8	18	32	39	51	50	59	46	31
TOTAL ENGINEERING GRADUATES	9	28	38	30	35	64	75	71	96	85	-
TOTAL MINORITY GRADUATES	2	2	8	2	3	3	4	2	7	10	-
NEW MEXICO STATE UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	890	1094	1197	1456	1556	1613	1838	1878	1986	2031	1997
TOTAL MINORITY ENROLLMENT	205	200	283	364	374	436	547	542	576	584	597
TOTAL ENGINEERING GRADUATES	154	172	130	179	189	225	218	205	236	258	-
TOTAL MINORITY GRADUATES	37	18	17	32	30	36	37	45	49	54	-

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UNDERGRADUATE ENGINEERING ENROLLMENT AND GRADUATION BY STATE AND INSTITUTION

1974-75 TO 1984-85

INSTITUTION	74-75	75-76	76-77	77-78	78-79	79-80	80-81	81-82	82-83	83-84	84-85
NEW MEXICO, UNIVERSITY OF											
TOTAL ENGINEERING ENROLLMENT	469	552	639	1674	1796	1893	2020	2370	1586	2406	1622
TOTAL MINORITY ENROLLMENT	80	79	112	85	359	575	458	628	430	427	535
TOTAL ENGINEERING GRADUATES	127	132	165	171	212	216	225	219	300	292	-
TOTAL MINORITY GRADUATES	18	30	27	38	39	48	35	44	61	48	-
NEW YORK											
ALFRED UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	203	241	213	280	303	326	365	388	416	441	441
TOTAL MINORITY ENROLLMENT	3	3	3	2	-	-	-	1	2	4	6
TOTAL ENGINEERING GRADUATES	41	43	43	65	66	140	89	70	95	98	-
TOTAL MINORITY GRADUATES	-	-	1	-	1	-	-	1	-	-	-
CLARKSON COLLEGE OF TECHNOLOGY											
TOTAL ENGINEERING ENROLLMENT	1442	1718	1881	2025	2025	2102	2166	2192	2177	2262	2240
TOTAL MINORITY ENROLLMENT	5	6	17	16	-	16	17	12	9	6	14
TOTAL ENGINEERING GRADUATES	309	306	394	484	456	537	501	593	585	660	-
TOTAL MINORITY GRADUATES	-	2	1	1	6	2	4	4	3	1	-
COLUMBIA UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	671	767	844	977	1022	1050	1126	1166	532	1181	1136
TOTAL MINORITY ENROLLMENT	46	43	47	74	85	89	118	116	-	98	97
TOTAL ENGINEERING GRADUATES	128	158	168	217	233	222	231	283	269	303	-
TOTAL MINORITY GRADUATES	-	12	12	12	10	11	18	-	20	21	-
COOPER UNION FOR THE ADVANCEMENT OF SCI.											
TOTAL ENGINEERING ENROLLMENT	351	394	442	449	427	436	424	433	453	482	489
TOTAL MINORITY ENROLLMENT	5	5	1	8	8	11	11	11	16	19	21
TOTAL ENGINEERING GRADUATES	57	78	98	110	89	107	93	100	90	110	-
TOTAL MINORITY GRADUATES	-	1	1	1	1	2	3	2	2	1	-
CORNELL UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	2284	2269	2361	2267	2324	2401	2280	2383	2358	2404	2444
TOTAL MINORITY ENROLLMENT	126	87	149	117	112	132	196	220	227	205	271
TOTAL ENGINEERING GRADUATES	495	477	510	508	547	547	536	598	628	573	-
TOTAL MINORITY GRADUATES	26	26	14	27	22	10	13	34	33	45	-
HOFSTRA UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	94	105	117	107	280	195	222	296	326	316	423
TOTAL MINORITY ENROLLMENT	1	6	10	-	18	-	-	4	4	4	-
TOTAL ENGINEERING GRADUATES	30	32	32	14	61	29	23	25	41	41	-
TOTAL MINORITY GRADUATES	-	-	-	-	-	-	-	-	2	2	-

NATIONAL ACTION COUNCIL FOR MINORITIES IN ENGINEERING

UNDERGRADUATE ENGINEERING ENROLLMENT AND GRADUATION BY STATE AND INSTITUTION

1974-75 TO 1984-85

INSTITUTION	74-75	75-76	76-77	77-78	78-79	79-80	80-81	81-82	82-83	83-84	84-85
LONG ISLAND UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	-	-	-	-	-	-	-	-	-	-	-
TOTAL MINORITY ENROLLMENT	-	-	-	-	-	-	-	-	-	-	-
TOTAL ENGINEERING GRADUATES	-	-	-	30	-	-	5	-	-	-	-
TOTAL MINORITY GRADUATES	-	-	-	3	-	-	-	-	-	-	-
MANHATTAN COLLEGE											
TOTAL ENGINEERING ENROLLMENT	774	928	1037	1087	1230	1273	1357	1429	1519	1523	1413
TOTAL MINORITY ENROLLMENT	36	31	39	34	83	54	62	65	141	137	125
TOTAL ENGINEERING GRADUATES	160	128	172	202	248	308	274	306	325	369	-
TOTAL MINORITY GRADUATES	12	2	7	13	9	14	9	33	35	48	-
NEW YORK INSTITUTE OF TECHNOLOGY											
TOTAL ENGINEERING ENROLLMENT	-	-	-	-	-	-	-	-	-	-	-
TOTAL MINORITY ENROLLMENT	-	-	-	-	-	-	-	-	-	-	-
TOTAL ENGINEERING GRADUATES	-	-	-	-	-	-	-	-	-	171	-
TOTAL MINORITY GRADUATES	-	-	-	-	-	-	-	-	-	-	-
NEW YORK MARITIME COLLEGE, STATE UNIVERS											
TOTAL ENGINEERING ENROLLMENT	317	365	386	424	472	508	494	516	765	561	562
TOTAL MINORITY ENROLLMENT	24	6	7	6	9	11	10	18	22	18	18
TOTAL ENGINEERING GRADUATES	49	39	31	81	98	117	99	92	99	113	-
TOTAL MINORITY GRADUATES	4	-	1	3	1	2	2	4	5	3	-
NEW YORK STATE, UNIV. OF, BINGHAMTON											
TOTAL ENGINEERING ENROLLMENT	-	-	-	-	-	-	-	-	-	-	20
TOTAL MINORITY ENROLLMENT	-	-	-	-	-	-	-	-	-	-	-
TOTAL ENGINEERING GRADUATES	-	-	-	-	-	-	-	-	-	-	-
TOTAL MINORITY GRADUATES	-	-	-	-	-	-	-	-	-	-	-
NEW YORK STATE, UNIVERSITY OF, BUFFALO											
TOTAL ENGINEERING ENROLLMENT	1141	1409	1613	1809	2235	2537	2890	3394	3210	2844	2611
TOTAL MINORITY ENROLLMENT	8	-	26	45	49	62	82	16	106	88	91
TOTAL ENGINEERING GRADUATES	195	241	316	406	450	434	523	521	539	539	-
TOTAL MINORITY GRADUATES	2	2	-	-	4	10	8	6	7	7	-
NEW YORK, CITY COLLEGE OF THE CITY UNIV.											
TOTAL ENGINEERING ENROLLMENT	1471	2218	1754	2188	2145	2315	2467	2893	3102	2486	3019
TOTAL MINORITY ENROLLMENT	315	590	486	312	1003	1113	1117	1546	1574	1354	1407
TOTAL ENGINEERING GRADUATES	289	334	334	187	227	333	341	278	299	299	-
TOTAL MINORITY GRADUATES	40	94	94	80	50	63	124	106	106	106	-

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UNDERGRADUATE ENGINEERING ENROLLMENT AND GRADUATION BY STATE AND INSTITUTION

1974-75 TO 1984-85

INSTITUTION	74-75	75-76	76-77	77-78	78-79	79-80	80-81	81-82	82-83	83-84	84-85
NEW YORK, POLYTECHNIC UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	1247	1368	1368	934	934	1845	2173	2104	2065	2065	-
TOTAL MINORITY ENROLLMENT	120	122	122	161	161	195	243	308	123	112	-
TOTAL ENGINEERING GRADUATES	318	234	234	286	391	375	405	364	454	457	-
TOTAL MINORITY GRADUATES	12	12	12	23	18	45	21	30	63	43	-
NEW YORK, UNIVERSITY OF, STONYBROOK											
TOTAL ENGINEERING ENROLLMENT	235	330	576	664	876	802	1205	1238	1420	1252	1123
TOTAL MINORITY ENROLLMENT	-	-	5	20	-	24	28	77	87	63	63
TOTAL ENGINEERING GRADUATES	55	76	75	136	158	190	169	369	293	210	-
TOTAL MINORITY GRADUATES	2	2	1	1	7	9	12	11	12	5	-
PRATT INSTITUTE											
TOTAL ENGINEERING ENROLLMENT	409	373	416	456	456	573	660	660	726	601	562
TOTAL MINORITY ENROLLMENT	-	137	179	191	191	179	220	220	145	218	204
TOTAL ENGINEERING GRADUATES	112	101	96	134	113	135	153	152	155	155	-
TOTAL MINORITY GRADUATES	22	23	30	55	37	41	36	39	39	39	-
RENSSELAER POLYTECHNIC INSTITUTE											
TOTAL ENGINEERING ENROLLMENT	1918	2225	2502	2676	2700	2878	2794	2751	2750	2751	2712
TOTAL MINORITY ENROLLMENT	51	64	71	85	100	133	206	211	209	218	206
TOTAL ENGINEERING GRADUATES	395	451	500	563	648	673	709	620	613	695	-
TOTAL MINORITY GRADUATES	9	6	15	11	11	12	-	25	27	54	-
ROCHESTER INSTITUTE OF TECHNOLOGY											
TOTAL ENGINEERING ENROLLMENT	676	804	952	1016	1146	1243	1175	1396	1293	1182	1505
TOTAL MINORITY ENROLLMENT	3	8	19	15	15	19	34	19	45	48	48
TOTAL ENGINEERING GRADUATES	97	76	98	122	145	140	157	145	204	261	-
TOTAL MINORITY GRADUATES	-	-	-	2	5	-	-	-	2	2	-
ROCHESTER, UNIVERSITY OF											
TOTAL ENGINEERING ENROLLMENT	406	483	619	661	727	805	969	1090	1132	1206	1149
TOTAL MINORITY ENROLLMENT	10	13	24	19	31	33	34	35	32	33	27
TOTAL ENGINEERING GRADUATES	50	70	73	110	119	123	130	147	196	205	-
TOTAL MINORITY GRADUATES	2	-	1	1	2	2	2	7	4	7	-
STATEN ISLAND COMMUNITY COLLEGE											
TOTAL ENGINEERING ENROLLMENT	-	-	-	-	-	386	423	-	529	315	315
TOTAL MINORITY ENROLLMENT	-	-	-	-	-	65	71	-	42	42	-
TOTAL ENGINEERING GRADUATES	-	-	-	-	44	32	25	25	33	35	-
TOTAL MINORITY GRADUATES	-	-	-	-	13	9	7	4	6	4	-

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UNDERGRADUATE ENGINEERING ENROLLMENT AND GRADUATION BY STATE AND INSTITUTION

1974-75 TO 1984-85

INSTITUTION	74-75	75-76	76-77	77-78	78-79	79-80	80-81	81-82	82-83	83-84	84-85
SUNY COLLEGE OF ENVIRONMENTAL SCI. & FOR											
TOTAL ENGINEERING ENROLLMENT	269	332	331	323	336	306	182	249	197	222	220
TOTAL MINORITY ENROLLMENT	-	1	4	3	1	2	-	3	1	3	3
TOTAL ENGINEERING GRADUATES	53	77	66	88	93	105	88	128	78	78	-
TOTAL MINORITY GRADUATES	-	-	-	-	-	2	-	1	2	2	-
SYRACUSE UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	626	680	868	1022	1164	1204	1213	1257	1241	1371	1371
TOTAL MINORITY ENROLLMENT	14	21	29	35	55	66	70	57	67	112	98
TOTAL ENGINEERING GRADUATES	109	117	159	201	296	225	172	174	261	319	-
TOTAL MINORITY GRADUATES	-	3	3	3	6	7	7	5	11	15	-
UNION COLLEGE											
TOTAL ENGINEERING ENROLLMENT	327	344	369	371	401	465	491	503	381	381	401
TOTAL MINORITY ENROLLMENT	7	8	10	9	12	16	17	13	12	12	-
TOTAL ENGINEERING GRADUATES	77	119	117	114	141	147	139	147	158	167	-
TOTAL MINORITY GRADUATES	-	1	2	-	3	1	-	-	5	-	-
UNITED STATES MERCHANT MARINE											
TOTAL ENGINEERING ENROLLMENT	469	657	532	554	596	545	588	547	497	511	499
TOTAL MINORITY ENROLLMENT	20	17	16	22	30	71	31	26	42	28	21
TOTAL ENGINEERING GRADUATES	105	102	90	83	139	108	117	138	102	112	-
TOTAL MINORITY GRADUATES	6	3	4	1	5	5	6	7	7	4	-
UNITED STATES MILITARY ACADAMEY											
TOTAL ENGINEERING ENROLLMENT	-	-	-	-	-	-	-	-	-	-	-
TOTAL MINORITY ENROLLMENT	-	-	-	-	-	-	-	-	-	-	-
TOTAL ENGINEERING GRADUATES	-	-	-	-	-	-	-	-	-	987	-
TOTAL MINORITY GRADUATES	-	-	-	-	-	-	-	-	-	87	-
WEBB INSTITUTE OF NAVAL ARCHITECTURE											
TOTAL ENGINEERING ENROLLMENT	88	80	86	81	80	78	74	82	79	82	87
TOTAL MINORITY ENROLLMENT	-	-	-	-	1	-	-	-	-	-	1
TOTAL ENGINEERING GRADUATES	22	17	23	16	16	17	8	19	16	12	-
TOTAL MINORITY GRADUATES	-	-	-	-	-	-	-	-	-	-	-
NORTH CAROLINA											
DUKE UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	558	590	663	720	734	784	811	848	856	883	885
TOTAL MINORITY ENROLLMENT	7	6	12	26	38	39	40	30	26	33	37
TOTAL ENGINEERING GRADUATES	104	106	113	144	151	175	182	194	196	225	-
TOTAL MINORITY GRADUATES	3	1	2	4	-	3	16	9	2	6	-

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NORTH CAROLINA A&T STATE UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	325	399	486	431	601	800	938	938	355	818	921
TOTAL MINORITY ENROLLMENT	288	358	436	305	492	388	687	687	312	654	728
TOTAL ENGINEERING GRADUATES	38	49	39	38	46	78	91	129	97	97	-
TOTAL MINORITY GRADUATES	35	42	30	30	35	60	62	72	56	56	-
NORTH CAROLINA STATE UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	2709	3087	3105	3423	3710	4093	4492	4659	4769	4757	4661
TOTAL MINORITY ENROLLMENT	83	120	147	192	244	273	318	376	423	447	433
TOTAL ENGINEERING GRADUATES	513	510	481	588	543	658	686	780	856	974	-
TOTAL MINORITY GRADUATES	11	12	3	16	13	19	29	26	45	56	-
NORTH CAROLINA, UNIVERSITY OF, CHAPEL HI											
TOTAL ENGINEERING ENROLLMENT	-	-	401	-	-	-	-	-	-	-	-
TOTAL MINORITY ENROLLMENT	-	-	9	-	-	-	-	-	-	-	-
TOTAL ENGINEERING GRADUATES	-	-	-	-	-	-	-	-	12	-	-
TOTAL MINORITY GRADUATES	-	-	-	-	-	-	-	-	-	-	-
NORTH CAROLINA, UNIVERSITY OF, CHARLOTTE											
TOTAL ENGINEERING ENROLLMENT	273	340	-	583	728	732	896	912	996	978	834
TOTAL MINORITY ENROLLMENT	15	13	-	24	35	55	47	44	48	53	39
TOTAL ENGINEERING GRADUATES	40	29	49	52	74	87	80	110	119	118	-
TOTAL MINORITY GRADUATES	1	2	2	2	3	1	1	-	2	-	-
NORTH DAKOTA											
NORTH DAKOTA STATE UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	483	538	609	794	1084	1139	1269	1784	1720	1761	1746
TOTAL MINORITY ENROLLMENT	-	1	-	2	-	-	10	4	21	33	78
TOTAL ENGINEERING GRADUATES	110	102	97	128	148	175	198	264	325	349	-
TOTAL MINORITY GRADUATES	-	-	-	-	2	-	-	4	4	29	-
NORTH DAKOTA, UNIVERSITY OF											
TOTAL ENGINEERING ENROLLMENT	385	452	512	562	610	666	758	881	1048	1040	864
TOTAL MINORITY ENROLLMENT	2	1	1	1	-	-	1	3	4	4	1
TOTAL ENGINEERING GRADUATES	47	63	70	82	93	99	120	137	145	152	-
TOTAL MINORITY GRADUATES	-	-	-	-	1	-	-	-	-	-	-
OHIO											
AIR FORCE INSTITUTE OF TECHNOLOGY											
TOTAL ENGINEERING ENROLLMENT	43	22	22	-	-	-	85	117	109	109	53
TOTAL MINORITY ENROLLMENT	2	-	-	-	-	-	3	8	6	10	7
TOTAL ENGINEERING GRADUATES	25	6	1	-	-	-	23	53	47	51	-
TOTAL MINORITY GRADUATES	2	1	-	-	-	-	-	4	2	1	-

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INSTITUTION	74-75	75-76	76-77	77-78	78-79	79-80	80-81	81-82	82-83	83-84	84-85
AKRON, UNIVERSITY OF											
TOTAL ENGINEERING ENROLLMENT	1046	1237	1271	1370	1473	1519	1884	2101	2096	2283	2311
TOTAL MINORITY ENROLLMENT	11	14	22	26	28	29	41	57	57	63	72
TOTAL ENGINEERING GRADUATES	114	121	111	162	152	154	175	210	233	281	-
TOTAL MINORITY GRADUATES	1	-	3	2	1	2	2	-	-	-	-
CASE WESTERN RESERVE UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	1195	765	878	1037	1074	1062	1050	844	1697	1852	1934
TOTAL MINORITY ENROLLMENT	33	26	2	42	33	22	26	78	66	54	43
TOTAL ENGINEERING GRADUATES	150	137	137	147	172	207	224	229	253	290	-
TOTAL MINORITY GRADUATES	5	3	3	4	5	4	9	2	6	10	-
CINCINNATI, UNIVERSITY OF											
TOTAL ENGINEERING ENROLLMENT	1843	2182	2253	2292	2495	2507	2470	2277	2248	2116	2125
TOTAL MINORITY ENROLLMENT	39	48	55	67	61	71	63	64	62	61	59
TOTAL ENGINEERING GRADUATES	283	271	297	291	360	436	391	341	423	398	-
TOTAL MINORITY GRADUATES	1	5	2	3	5	-	2	13	13	7	-
CLEVELAND STATE UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	1025	1016	1296	983	809	950	1245	1242	1240	1088	1055
TOTAL MINORITY ENROLLMENT	-	35	36	37	36	44	43	39	53	31	46
TOTAL ENGINEERING GRADUATES	170	152	188	117	214	194	201	260	255	255	-
TOTAL MINORITY GRADUATES	3	7	-	2	4	4	7	9	15	15	-
DAYTON, UNIVERSITY OF											
TOTAL ENGINEERING ENROLLMENT	524	539	645	779	849	855	879	901	918	910	988
TOTAL MINORITY ENROLLMENT	16	19	22	33	49	45	45	43	38	32	32
TOTAL ENGINEERING GRADUATES	107	80	91	113	165	199	214	215	221	213	-
TOTAL MINORITY GRADUATES	3	6	-	4	3	11	11	10	14	8	-
MARIETTA COLLEGE											
TOTAL ENGINEERING ENROLLMENT	25	42	152	170	168	216	248	304	354	315	233
TOTAL MINORITY ENROLLMENT	-	-	1	3	-	1	-	-	-	-	-
TOTAL ENGINEERING GRADUATES	11	11	14	30	31	40	37	41	47	77	-
TOTAL MINORITY GRADUATES	-	-	-	-	1	1	-	-	1	-	-
MIAMI UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	-	-	-	-	-	-	-	-	-	1286	1038
TOTAL MINORITY ENROLLMENT	-	-	-	-	-	-	-	-	-	17	17
TOTAL ENGINEERING GRADUATES	-	-	-	-	-	-	-	-	-	-	-
TOTAL MINORITY GRADUATES	-	-	-	-	-	-	-	-	-	-	-

NATIONAL ACTION COUNCIL FOR MINORITIES IN ENGINEERING

UNDERGRADUATE ENGINEERING ENROLLMENT AND GRADUATION BY STATE AND INSTITUTION

1974-75 TO 1984-85

INSTITUTION	74-75	75-76	76-77	77-78	78-79	79-80	80-81	81-82	82-83	83-84	84-85
OHIO NORTHERN UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	275	304	292	320	327	334	370	418	460	459	450
TOTAL MINORITY ENROLLMENT	-	2	3	5	4	5	7	8	6	4	3
TOTAL ENGINEERING GRADUATES	53	40	50	63	72	58	57	65	88	84	-
TOTAL MINORITY GRADUATES	-	-	-	1	-	-	-	2	2	-	-
OHIO STATE UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	2530	2818	3104	3761	4091	4827	5610	6453	7339	7463	7444
TOTAL MINORITY ENROLLMENT	90	126	164	164	169	247	250	319	375	389	390
TOTAL ENGINEERING GRADUATES	398	375	396	468	571	613	732	813	1002	1112	-
TOTAL MINORITY GRADUATES	4	4	7	5	15	10	8	16	21	14	-
OHIO UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	469	514	707	788	798	923	1050	1278	1295	1092	1065
TOTAL MINORITY ENROLLMENT	-	-	18	25	29	25	38	51	42	52	50
TOTAL ENGINEERING GRADUATES	82	90	96	88	105	106	139	190	198	186	-
TOTAL MINORITY GRADUATES	-	1	2	1	-	-	96	1	1	5	-
TOLEDO, UNIVERSITY OF											
TOTAL ENGINEERING ENROLLMENT	611	640	768	851	939	1154	1457	1737	1911	1587	1905
TOTAL MINORITY ENROLLMENT	17	22	23	33	30	43	61	74	70	66	66
TOTAL ENGINEERING GRADUATES	129	105	100	109	133	144	163	196	243	282	-
TOTAL MINORITY GRADUATES	3	1	1	1	3	2	-	1	6	10	-
WRIGHT STATE UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	140	145	256	282	335	437	655	792	882	1027	1152
TOTAL MINORITY ENROLLMENT	-	-	-	10	25	36	58	69	56	73	88
TOTAL ENGINEERING GRADUATES	31	30	36	52	57	71	77	99	114	151	-
TOTAL MINORITY GRADUATES	1	-	-	1	1	2	10	4	8	4	-
YOUNGSTOWN STATE UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	699	756	875	950	1024	1068	1178	1068	943	952	999
TOTAL MINORITY ENROLLMENT	-	-	17	17	-	-	-	-	-	-	-
TOTAL ENGINEERING GRADUATES	141	84	118	106	154	192	189	174	159	194	-
TOTAL MINORITY GRADUATES	-	1	3	-	-	-	2	-	4	4	-
OKLAHOMA											
NORTHEASTERN OKLAHOMA STATE COLLEGE											
TOTAL ENGINEERING ENROLLMENT	1129	-	-	52	-	-	56	42	42	-	-
TOTAL MINORITY ENROLLMENT	45	-	-	-	-	-	6	-	-	-	-
TOTAL ENGINEERING GRADUATES	-	4	2	2	9	12	7	8	7	7	-
TOTAL MINORITY GRADUATES	-	-	-	-	-	2	-	-	-	-	-

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INSTITUTION	74-75	75-76	76-77	77-78	78-79	79-80	80-81	81-82	82-83	83-84	84-85
OKLAHOMA STATE UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	-	1269	1563	1752	1921	1955	2144	2448	2512	2167	2112
TOTAL MINORITY ENROLLMENT	-	71	78	112	103	131	115	138	111	85	132
TOTAL ENGINEERING GRADUATES	204	171	145	207	283	299	304	320	320	330	-
TOTAL MINORITY GRADUATES	7	3	3	6	12	6	7	5	4	8	-
OKLAHOMA, UNIVERSITY OF											
TOTAL ENGINEERING ENROLLMENT	958	1120	1484	1758	2013	2697	2521	2798	2839	2548	2040
TOTAL MINORITY ENROLLMENT	42	60	75	97	85	96	112	171	193	141	132
TOTAL ENGINEERING GRADUATES	171	195	186	238	255	361	363	371	410	434	-
TOTAL MINORITY GRADUATES	3	4	2	3	6	4	29	30	8	-	-
TULSA, UNIVERSITY OF											
TOTAL ENGINEERING ENROLLMENT	409	540	637	685	709	767	843	841	945	1038	923
TOTAL MINORITY ENROLLMENT	9	22	22	32	27	23	14	18	28	36	35
TOTAL ENGINEERING GRADUATES	120	116	140	163	214	179	164	177	170	231	-
TOTAL MINORITY GRADUATES	2	5	-	18	1	1	1	-	-	5	-
OREGON											
OREGON STATE UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	1424	1783	1984	2113	2314	2596	2818	2921	2726	2711	2578
TOTAL MINORITY ENROLLMENT	14	25	24	24	-	-	-	-	-	-	-
TOTAL ENGINEERING GRADUATES	225	223	260	292	324	391	424	302	482	388	-
TOTAL MINORITY GRADUATES	2	-	1	4	-	4	1	-	-	-	-
PORTLAND STATE UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	300	232	461	537	575	844	900	915	906	948	1151
TOTAL MINORITY ENROLLMENT	-	18	13	14	-	29	42	38	30	24	34
TOTAL ENGINEERING GRADUATES	46	37	32	32	79	65	71	90	142	134	-
TOTAL MINORITY GRADUATES	2	3	2	2	3	2	2	1	3	3	-
PORTLAND, UNIVERSITY OF											
TOTAL ENGINEERING ENROLLMENT	178	189	287	307	-	397	388	347	368	353	363
TOTAL MINORITY ENROLLMENT	1	4	-	1	-	5	2	3	3	3	7
TOTAL ENGINEERING GRADUATES	29	35	44	44	75	87	109	113	90	105	-
TOTAL MINORITY GRADUATES	1	-	2	2	-	1	1	-	-	2	-
PENNSYLVANIA											
BUCKNELL UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	377	444	571	548	584	636	646	670	558	619	625
TOTAL MINORITY ENROLLMENT	8	11	9	13	15	12	17	25	11	5	5
TOTAL ENGINEERING GRADUATES	67	76	90	96	104	137	129	142	165	146	-
TOTAL MINORITY GRADUATES	-	-	1	2	2	-	2	2	2	2	-

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UNDERGRADUATE ENGINEERING ENROLLMENT AND GRADUATION BY STATE AND INSTITUTION

1974-75 TO 1984-85

INSTITUTION	74-75	75-76	76-77	77-78	78-79	79-80	80-81	81-82	82-83	83-84	84-85
CARNEGIE-MELLON UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	879	1065	1184	1238	1447	1392	1523	1651	1666	1619	1560
TOTAL MINORITY ENROLLMENT	86	80	84	141	144	122	128	92	67	50	33
TOTAL ENGINEERING GRADUATES	171	162	200	203	309	330	331	361	300	365	-
TOTAL MINORITY GRADUATES	6	7	8	8	15	18	10	23	20	11	-
DREXEL UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	1566	1713	1972	2174	2344	2488	2643	2798	2791	2937	2857
TOTAL MINORITY ENROLLMENT	-	85	119	110	130	171	192	187	188	136	172
TOTAL ENGINEERING GRADUATES	396	303	223	285	272	397	446	456	522	560	-
TOTAL MINORITY GRADUATES	16	9	9	12	9	15	34	17	31	30	-
GANNON COLLEGE											
TOTAL ENGINEERING ENROLLMENT	180	153	165	147	221	242	306	290	315	328	262
TOTAL MINORITY ENROLLMENT	-	4	-	-	-	-	2	-	-	-	-
TOTAL ENGINEERING GRADUATES	33	21	33	28	20	49	39	54	64	65	-
TOTAL MINORITY GRADUATES	-	-	-	-	2	-	2	-	-	-	-
GENEVA COLLEGE											
TOTAL ENGINEERING ENROLLMENT	77	87	123	155	183	207	215	250	283	272	252
TOTAL MINORITY ENROLLMENT	1	4	5	7	3	4	-	-	1	6	5
TOTAL ENGINEERING GRADUATES	10	18	16	35	28	34	43	46	31	71	-
TOTAL MINORITY GRADUATES	-	-	-	-	-	1	-	-	-	1	-
GROVE CITY COLLEGE											
TOTAL ENGINEERING ENROLLMENT	189	275	332	371	452	458	459	496	490	496	480
TOTAL MINORITY ENROLLMENT	-	-	1	1	1	1	-	-	-	-	-
TOTAL ENGINEERING GRADUATES	24	42	39	43	66	87	73	95	106	106	-
TOTAL MINORITY GRADUATES	-	-	-	-	-	-	-	-	-	-	-
LAFAYETTE COLLEGE											
TOTAL ENGINEERING ENROLLMENT	421	479	517	571	571	619	646	647	694	585	591
TOTAL MINORITY ENROLLMENT	8	6	15	24	24	29	31	25	22	17	18
TOTAL ENGINEERING GRADUATES	97	98	121	141	126	123	183	183	157	165	-
TOTAL MINORITY GRADUATES	-	3	1	1	1	2	7	9	4	2	-
LEHIGH UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	1461	1474	1770	1919	1970	1956	2104	2032	3484	3484	1752
TOTAL MINORITY ENROLLMENT	13	11	12	22	34	39	62	57	54	54	39
TOTAL ENGINEERING GRADUATES	343	309	315	387	417	450	473	518	518	540	-
TOTAL MINORITY GRADUATES	1	1	1	2	1	-	4	7	7	8	-

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1974-75 TO 1984-85

INSTITUTION	74-75	75-76	76-77	77-78	78-79	79-80	80-81	81-82	82-83	83-84	84-85
PENNSYLVANIA STATE UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	4021	4866	5468	5930	6602	7264	7736	6613	8366	8591	7804
TOTAL MINORITY ENROLLMENT	23	46	46	41	85	47	75	69	176	173	149
TOTAL ENGINEERING GRADUATES	600	619	768	898	1080	1136	1323	1322	1659	1519	-
TOTAL MINORITY GRADUATES	3	3	1	4	-	4	13	5	16	17	-
PENNSYLVANIA, UNIVERSITY OF											
TOTAL ENGINEERING ENROLLMENT	410	532	674	801	887	1074	1088	1147	1127	1175	1288
TOTAL MINORITY ENROLLMENT	32	54	74	91	91	91	97	92	103	111	121
TOTAL ENGINEERING GRADUATES	92	87	90	114	154	185	148	231	234	243	-
TOTAL MINORITY GRADUATES	6	3	3	6	7	14	9	12	13	16	-
PHILADELPHIA COLLEGE OF TEXTILES & SCIEN											
TOTAL ENGINEERING ENROLLMENT	72	86	98	96	-	91	102	108	105	80	61
TOTAL MINORITY ENROLLMENT	3	4	7	3	-	1	4	3	3	6	7
TOTAL ENGINEERING GRADUATES	16	11	14	23	23	27	23	28	24	24	-
TOTAL MINORITY GRADUATES	-	-	-	-	-	-	-	-	-	-	-
PITTSBURGH, UNIVERSITY OF											
TOTAL ENGINEERING ENROLLMENT	1264	1590	1817	2001	1913	2076	2028	2041	2094	1970	1930
TOTAL MINORITY ENROLLMENT	47	78	90	84	84	96	95	119	130	114	84
TOTAL ENGINEERING GRADUATES	288	285	279	387	468	*501	535	477	501	488	-
TOTAL MINORITY GRADUATES	3	3	3	5	16	10	9	14	10	16	-
SWARTHMORE COLLEGE											
TOTAL ENGINEERING ENROLLMENT	95	109	100	108	112	112	111	123	133	140	127
TOTAL MINORITY ENROLLMENT	9	10	6	10	1	2	3	7	2	8	6
TOTAL ENGINEERING GRADUATES	25	20	19	10	27	22	23	21	26	32	-
TOTAL MINORITY GRADUATES	2	2	1	1	-	-	-	1	-	-	-
TEMPLE UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	-	-	-	-	-	-	-	-	-	202	316
TOTAL MINORITY ENROLLMENT	-	-	-	-	-	-	-	-	-	39	26
TOTAL ENGINEERING GRADUATES	-	-	-	-	-	-	-	-	-	4	-
TOTAL MINORITY GRADUATES	-	-	-	-	-	-	-	-	-	-	-
VILLANOVA UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	548	600	711	753	900	1011	1084	1042	1125	1125	1083
TOTAL MINORITY ENROLLMENT	18	10	21	6	16	11	40	13	12	12	17
TOTAL ENGINEERING GRADUATES	125	102	114	117	146	195	225	214	211	222	-
TOTAL MINORITY GRADUATES	7	3	2	2	-	2	2	-	3	8	-

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UNDERGRADUATE ENGINEERING ENROLLMENT AND GRADUATION BY STATE AND INSTITUTION

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INSTITUTION	74-75	75-76	76-77	77-78	78-79	79-80	80-81	81-82	82-83	83-84	84-85
WIDENER COLLEGE											
TOTAL ENGINEERING ENROLLMENT	157	206	242	418	449	321	409	433	534	614	638
TOTAL MINORITY ENROLLMENT	9	13	12	11	14	11	12	30	33	17	12
TOTAL ENGINEERING GRADUATES	28	40	42	51	60	61	64	63	73	96	-
TOTAL MINORITY GRADUATES	1	4	1	2	3	-	1	5	1	4	-
WILKES COLLEGE											
TOTAL ENGINEERING ENROLLMENT	-	-	-	99	125	156	180	206	175	250	243
TOTAL MINORITY ENROLLMENT	-	-	-	-	-	1	2	2	-	-	2
TOTAL ENGINEERING GRADUATES	-	-	-	12	14	26	24	22	33	36	-
TOTAL MINORITY GRADUATES	-	-	-	-	-	-	-	2	-	-	-
RHODE ISLAND											
BROWN UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	371	407	408	423	423	462	507	497	584	510	417
TOTAL MINORITY ENROLLMENT	12	23	24	8	8	41	51	58	51	56	62
TOTAL ENGINEERING GRADUATES	71	67	84	65	91	89	102	97	101	88	-
TOTAL MINORITY GRADUATES	7	3	4	3	2	9	7	11	11	8	-
PROVIDENCE COLLEGE											
TOTAL ENGINEERING ENROLLMENT	-	-	-	-	-	-	-	61	11	70	62
TOTAL MINORITY ENROLLMENT	-	-	-	-	-	-	-	-	-	-	2
TOTAL ENGINEERING GRADUATES	-	-	-	-	-	-	7	11	11	-	-
TOTAL MINORITY GRADUATES	-	-	-	-	-	-	-	-	-	-	-
RHODE ISLAND UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	674	782	826	949	970	1046	1171	1240	1385	1421	1331
TOTAL MINORITY ENROLLMENT	13	-	2	15	16	15	16	25	25	26	22
TOTAL ENGINEERING GRADUATES	96	123	115	135	170	158	216	213	232	232	-
TOTAL MINORITY GRADUATES	4	2	2	-	5	5	-	2	2	2	-
SOUTH CAROLINA											
CITADEL, THE											
TOTAL ENGINEERING ENROLLMENT	262	333	387	387	385	391	378	394	459	499	499
TOTAL MINORITY ENROLLMENT	8	6	15	11	8	7	6	17	22	29	29
TOTAL ENGINEERING GRADUATES	38	41	41	35	50	53	49	58	55	42	-
TOTAL MINORITY GRADUATES	-	-	2	2	-	2	1	-	-	-	-
CLEMSON UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	1066	1216	1354	1539	1708	1947	2105	2470	2703	2844	2804
TOTAL MINORITY ENROLLMENT	13	11	13	21	28	47	64	87	131	151	182
TOTAL ENGINEERING GRADUATES	187	175	174	223	234	270	340	353	451	455	-
TOTAL MINORITY GRADUATES	4	1	-	5	-	-	-	-	-	12	-

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INSTITUTION	74-75	75-76	76-77	77-78	78-79	79-80	80-81	81-82	82-83	83-84	84-85
SOUTH CAROLINA, UNIVERSITY OF											
TOTAL ENGINEERING ENROLLMENT	713	784	928	1073	1073	1298	1354	1414	1250	1174	1236
TOTAL MINORITY ENROLLMENT	36	43	77	95	93	153	171	183	131	119	150
TOTAL ENGINEERING GRADUATES	112	127	103	155	147	140	181	200	211	255	-
TOTAL MINORITY GRADUATES	2	3	3	7	3	2	12	-	6	17	-
SOUTH DAKOTA											
SOUTH DAKOTA SCHOOL OF MINES & TECHNOLOG											
TOTAL ENGINEERING ENROLLMENT	869	985	1067	1160	1223	1284	1433	1594	1584	1516	1269
TOTAL MINORITY ENROLLMENT	4	3	7	16	16	18	18	21	15	18	14
TOTAL ENGINEERING GRADUATES	204	161	210	203	206	270	251	302	257	328	-
TOTAL MINORITY GRADUATES	-	2	-	-	2	3	3	5	1	1	-
SOUTH DAKOTA STATE UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	498	561	578	562	711	709	914	1101	1193	1263	1147
TOTAL MINORITY ENROLLMENT	-	3	3	-	3	-	5	1	-	-	-
TOTAL ENGINEERING GRADUATES	89	79	83	104	103	116	109	171	171	224	-
TOTAL MINORITY GRADUATES	-	-	-	-	-	-	-	-	-	1	-
TENNESSEE											
CHRISTIAN BROTHERS COLLEGE											
TOTAL ENGINEERING ENROLLMENT	203	283	319	348	464	445	454	512	487	557	488
TOTAL MINORITY ENROLLMENT	20	19	20	22	31	34	52	61	63	83	71
TOTAL ENGINEERING GRADUATES	25	21	28	35	72	69	65	88	53	81	-
TOTAL MINORITY GRADUATES	1	2	2	4	4	2	4	4	3	6	-
MEMPHIS STATE UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	647	402	556	927	851	933	939	1208	1252	1506	1534
TOTAL MINORITY ENROLLMENT	14	19	7	73	80	109	105	137	110	242	187
TOTAL ENGINEERING GRADUATES	61	80	93	118	114	108	101	113	124	137	-
TOTAL MINORITY GRADUATES	2	1	1	4	6	6	12	8	8	4	-
TENNESSEE STATE UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	275	384	456	496	496	839	778	735	781	742	687
TOTAL MINORITY ENROLLMENT	275	290	326	305	305	432	491	572	652	589	555
TOTAL ENGINEERING GRADUATES	30	21	16	40	26	113	144	62	71	51	-
TOTAL MINORITY GRADUATES	27	15	9	16	13	38	48	20	37	25	-
TENNESSEE TECHNOLOGICAL UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	978	1088	1195	1447	1676	1886	2099	2095	2127	2067	1980
TOTAL MINORITY ENROLLMENT	15	20	21	24	32	53	66	51	46	45	36
TOTAL ENGINEERING GRADUATES	179	186	138	150	228	242	242	304	343	404	-
TOTAL MINORITY GRADUATES	2	2	1	1	1	7	-	3	11	25	-

NATIONAL ACTION COUNCIL FOR MINORITIES IN ENGINEERING

UNDERGRADUATE ENGINEERING ENROLLMENT AND GRADUATION BY STATE AND INSTITUTION

1974-75 TO 1984-85

INSTITUTION	74-75	75-76	76-77	77-78	78-79	79-80	80-81	81-82	82-83	83-84	84-85
TENNESSEE, UNIVERSITY OF, CHATTANOOGA											
TOTAL ENGINEERING ENROLLMENT	163	248	161	252	321	321	854	854	-	526	491
TOTAL MINORITY ENROLLMENT	-	-	10	17	63	63	22	18	-	52	-
TOTAL ENGINEERING GRADUATES	42	13	27	18	35	28	40	27	-	70	-
TOTAL MINORITY GRADUATES	-	-	-	-	1	-	1	1	-	3	-
TENNESSEE, UNIVERSITY OF, KNOXVILLE											
TOTAL ENGINEERING ENROLLMENT	1531	1706	-	2326	2426	2693	2931	2931	3019	2808	2509
TOTAL MINORITY ENROLLMENT	90	131	-	219	205	246	270	270	245	214	225
TOTAL ENGINEERING GRADUATES	311	265	292	319	380	395	501	558	546	552	-
TOTAL MINORITY GRADUATES	1	4	-	8	16	27	32	53	33	34	-
TENNESSEE, UNIVERSITY OF, MARTIN											
TOTAL ENGINEERING ENROLLMENT	-	-	-	-	-	-	-	-	-	-	245
TOTAL MINORITY ENROLLMENT	-	-	-	-	-	-	-	-	-	-	18
TOTAL ENGINEERING GRADUATES	-	-	-	-	-	-	-	-	-	-	-
TOTAL MINORITY GRADUATES	-	-	-	-	-	-	-	-	-	-	-
TENNESSEE, UNIVERSITY OF, NASHVILLE											
TOTAL ENGINEERING ENROLLMENT	-	-	2173	45	48	48	-	-	-	-	-
TOTAL MINORITY ENROLLMENT	-	-	160	11	5	5	-	-	-	-	-
TOTAL ENGINEERING GRADUATES	-	-	12	9	13	-	-	-	-	-	-
TOTAL MINORITY GRADUATES	-	-	6	-	-	-	-	-	-	-	-
VANDERBILT UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	746	858	976	1045	1087	1116	1098	1137	1102	1154	1125
TOTAL MINORITY ENROLLMENT	22	27	26	27	37	33	56	59	54	58	53
TOTAL ENGINEERING GRADUATES	130	118	138	193	213	251	229	242	240	218	-
TOTAL MINORITY GRADUATES	4	1	4	9	4	5	7	2	11	7	-
TEXAS											
HOUSTON, UNIVERSITY OF											
TOTAL ENGINEERING ENROLLMENT	950	1098	1214	1324	1324	1480	1626	1811	1890	1869	1865
TOTAL MINORITY ENROLLMENT	105	239	341	352	352	290	258	285	281	264	192
TOTAL ENGINEERING GRADUATES	139	236	190	184	171	244	235	278	326	326	-
TOTAL MINORITY GRADUATES	10	9	13	21	15	26	16	25	25	9	-
LAMAR UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	645	976	1121	1121	1121	1157	872	993	1178	997	1042
TOTAL MINORITY ENROLLMENT	50	53	66	66	66	149	245	210	-	118	-
TOTAL ENGINEERING GRADUATES	120	123	151	151	172	213	184	204	203	146	-
TOTAL MINORITY GRADUATES	9	8	4	4	6	8	4	11	15	14	-

NATIONAL ACTION COUNCIL FOR MINORITIES IN ENGINEERING

UNDERGRADUATE ENGINEERING ENROLLMENT AND GRADUATION BY STATE AND INSTITUTION

1974-75 TO 1984-85

INSTITUTION	74-75	75-76	76-77	77-78	78-79	79-80	80-81	81-82	82-83	83-84	84-85
LE TOURNEAU COLLEGE											
TOTAL ENGINEERING ENROLLMENT	187	204	207	212	196	205	263	261	232	220	214
TOTAL MINORITY ENROLLMENT	1	2	-	2	-	1	-	1	1	4	2
TOTAL ENGINEERING GRADUATES	29	23	25	33	20	30	30	40	33	48	-
TOTAL MINORITY GRADUATES	-	-	-	-	-	-	-	-	-	-	-
ODESSA COLLEGE											
TOTAL ENGINEERING ENROLLMENT	-	-	-	20	-	56	30	28	23	33	-
TOTAL MINORITY ENROLLMENT	-	-	-	7	-	2	-	-	-	-	-
TOTAL ENGINEERING GRADUATES	-	10	9	14	8	6	10	-	-	-	-
TOTAL MINORITY GRADUATES	-	-	-	-	-	-	-	-	-	-	-
PRAIRIE VIEW A&M UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	358	487	605	1340	717	816	946	946	948	662	662
TOTAL MINORITY ENROLLMENT	358	482	459	653	701	800	927	927	923	586	586
TOTAL ENGINEERING GRADUATES	47	47	54	87	98	107	131	131	-	106	-
TOTAL MINORITY GRADUATES	44	44	52	71	94	80	122	122	-	97	-
RICE UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	631	837	885	888	762	748	731	758	822	784	938
TOTAL MINORITY ENROLLMENT	3	45	53	77	32	61	55	25	-	70	35
TOTAL ENGINEERING GRADUATES	116	150	158	193	161	172	140	143	170	192	-
TOTAL MINORITY GRADUATES	2	3	4	6	16	12	5	10	6	19	-
SOUTHERN METHODIST UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	228	232	242	510	505	463	553	629	628	374	372
TOTAL MINORITY ENROLLMENT	11	18	13	20	17	27	28	44	44	51	45
TOTAL ENGINEERING GRADUATES	72	82	79	85	93	101	121	96	160	155	-
TOTAL MINORITY GRADUATES	1	1	4	1	7	6	5	9	17	19	-
ST. MARY'S UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	56	40	73	69	69	111	110	102	95	102	102
TOTAL MINORITY ENROLLMENT	24	20	25	19	18	28	20	29	30	58	58
TOTAL ENGINEERING GRADUATES	6	6	4	-	7	4	5	7	11	15	-
TOTAL MINORITY GRADUATES	2	3	3	-	1	2	2	4	7	4	-
TEXAS A&I UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	441	495	557	715	783	716	714	684	692	665	661
TOTAL MINORITY ENROLLMENT	116	147	157	202	218	206	257	278	291	301	284
TOTAL ENGINEERING GRADUATES	144	84	59	84	146	134	143	190	106	122	-
TOTAL MINORITY GRADUATES	22	21	15	15	12	13	27	48	39	56	-

NATIONAL ACTION COUNCIL FOR MINORITIES IN ENGINEERING

UNDERGRADUATE ENGINEERING ENROLLMENT AND GRADUATION BY STATE AND INSTITUTION

1974-75 TO 1984-85

INSTITUTION	74-75	75-76	76-77	77-78	78-79	79-80	80-81	81-82	82-83	83-84	84-85
TEXAS A&M UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	3285	4215	-	5827	6056	6737	7628	8290	9816	8045	7505
TOTAL MINORITY ENROLLMENT	8	78	-	245	303	274	372	445	580	531	560
TOTAL ENGINEERING GRADUATES	455	497	581	812	961	1081	1224	1285	1394	1419	-
TOTAL MINORITY GRADUATES	30	32	20	30	42	32	57	48	57	46	-
TEXAS A&M UNIVERSITY, GALVESTON											
TOTAL ENGINEERING ENROLLMENT	-	-	4926	-	141	116	110	106	140	114	123
TOTAL MINORITY ENROLLMENT	-	-	189	-	3	6	1	1	6	3	6
TOTAL ENGINEERING GRADUATES	-	-	-	8	21	21	-	15	5	13	-
TOTAL MINORITY GRADUATES	-	-	-	-	-	-	-	-	-	-	-
TEXAS TECH UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	1143	1367	1584	1712	1920	2226	2451	2531	2667	2726	2726
TOTAL MINORITY ENROLLMENT	39	73	88	41	50	76	99	115	137	134	-
TOTAL ENGINEERING GRADUATES	183	161	205	201	263	255	323	384	440	381	-
TOTAL MINORITY GRADUATES	3	3	4	3	3	5	6	9	27	20	-
TEXAS, UNIVERSITY OF, ARLINGTON											
TOTAL ENGINEERING ENROLLMENT	1217	1242	1378	1401	1695	1927	2119	2293	2685	2472	2236
TOTAL MINORITY ENROLLMENT	61	54	57	63	93	88	117	127	182	208	165
TOTAL ENGINEERING GRADUATES	239	230	172	254	232	270	335	153	358	314	-
TOTAL MINORITY GRADUATES	4	7	8	6	7	6	6	6	12	11	-
TEXAS, UNIVERSITY OF, AUSTIN											
TOTAL ENGINEERING ENROLLMENT	2542	3041	3481	3940	4164	4537	5084	5678	6039	5654	5209
TOTAL MINORITY ENROLLMENT	174	257	368	445	473	503	606	635	720	737	705
TOTAL ENGINEERING GRADUATES	498	458	388	550	680	705	825	829	930	1004	-
TOTAL MINORITY GRADUATES	33	31	35	31	34	66	60	78	70	86	-
TEXAS, UNIVERSITY OF, EL PASO											
TOTAL ENGINEERING ENROLLMENT	762	972	1157	1281	1370	1392	1461	1607	1709	1801	2039
TOTAL MINORITY ENROLLMENT	324	339	429	529	638	690	679	792	841	891	974
TOTAL ENGINEERING GRADUATES	153	122	140	143	147	148	161	165	171	193	-
TOTAL MINORITY GRADUATES	56	43	44	40	52	51	71	67	65	84	-
TRINITY UNIVERSITY, SAN ANTONIO											
TOTAL ENGINEERING ENROLLMENT	98	96	106	131	154	146	188	184	[illegible]	140	147
TOTAL MINORITY ENROLLMENT	16	18	23	23	15	15	13	12	[illegible]	13	16
TOTAL ENGINEERING GRADUATES	15	15	9	11	23	25	22	13	23	16	-
TOTAL MINORITY GRADUATES	2	2	1	3	4	1	-	-	2	4	-

NATIONAL ACTION COUNCIL FOR MINORITIES IN ENGINEERING

UNDERGRADUATE ENGINEERING ENROLLMENT AND GRADUATION BY STATE AND INSTITUTION

1974-75 TO 1984-85

INSTITUTION	74-75	75-76	76-77	77-78	78-79	79-80	80-81	81-82	82-83	83-84	84-85
UNIVERSITY OF TEXAS, PERMIAN BASIN											
TOTAL ENGINEERING ENROLLMENT	20	25	24	-	-	-	-	-	-	-	17
TOTAL MINORITY ENROLLMENT	-	-	-	-	-	-	-	-	-	-	4
TOTAL ENGINEERING GRADUATES	2	-	-	-	-	-	22	11	7	9	-
TOTAL MINORITY GRADUATES	-	-	-	-	-	-	-	1	-	-	-
UTAH											
BRIGHAM YOUNG UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	848	956	1059	1136	1298	1342	1766	1862	2278	2229	2188
TOTAL MINORITY ENROLLMENT	7	2	1	-	10	12	15	27	13	23	16
TOTAL ENGINEERING GRADUATES	126	153	190	196	195	211	241	236	342	333	-
TOTAL MINORITY GRADUATES	2	1	2	-	-	-	3	1	3	1	-
UTAH STATE UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	394	515	525	539	719	747	810	888	936	879	851
TOTAL MINORITY ENROLLMENT	4	3	5	2	6	7	7	5	5	2	6
TOTAL ENGINEERING GRADUATES	58	53	79	89	90	82	94	102	111	124	-
TOTAL MINORITY GRADUATES	-	-	1	-	-	-	1	-	2	-	-
UTAH, UNIVERSITY OF											
TOTAL ENGINEERING ENROLLMENT	1187	1281	1364	1668	1575	1995	2237	2667	2492	3479	2841
TOTAL MINORITY ENROLLMENT	2	2	32	39	33	42	31	50	49	100	-
TOTAL ENGINEERING GRADUATES	231	266	251	257	256	329	337	240	353	307	-
TOTAL MINORITY GRADUATES	-	1	5	4	-	6	1	2	2	-	-
VERMONT											
NORWICH UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	139	166	248	297	341	392	352	304	304	331	323
TOTAL MINORITY ENROLLMENT	5	-	6	10	11	11	11	9	9	5	6
TOTAL ENGINEERING GRADUATES	29	28	26	30	40	37	66	46	33	57	-
TOTAL MINORITY GRADUATES	2	-	-	-	-	-	3	-	-	-	-
VERMONT, UNIVERSITY OF											
TOTAL ENGINEERING ENROLLMENT	423	499	604	537	651	695	627	711	741	714	745
TOTAL MINORITY ENROLLMENT	5	6	8	4	5	7	3	4	1	4	10
TOTAL ENGINEERING GRADUATES	78	84	79	78	103	115	98	116	112	156	-
TOTAL MINORITY GRADUATES	1	-	2	2	-	-	-	1	1	-	-
VIRGINIA											
HAMPTON INSITTUTE											
TOTAL ENGINEERING ENROLLMENT	45	-	-	-	-	-	-	-	-	-	-
TOTAL MINORITY ENROLLMENT	40	-	-	-	-	-	-	-	-	-	-
TOTAL ENGINEERING GRADUATES	-	-	-	-	-	-	-	-	-	-	-
TOTAL MINORITY GRADUATES	-	-	-	-	-	-	-	-	-	-	-

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NATIONAL ACTION COUNCIL FOR MINORITIES IN ENGINEERING

UNDERGRADUATE ENGINEERING ENROLLMENT AND GRADUATION BY STATE AND INSTITUTION

1974-75 TO 1984-85

INSTITUTION	74-75	75-76	76-77	77-78	78-79	79-80	80-81	81-82	82-83	83-84	84-85
OLD DOMINION UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	249	377	460	504	655	618	907	876	941	843	959
TOTAL MINORITY ENROLLMENT	9	12	15	25	25	41	48	55	51	58	70
TOTAL ENGINEERING GRADUATES	52	36	37	68	76	80	77	134	119	169	-
TOTAL MINORITY GRADUATES	5	2	1	-	3	5	1	6	4	9	-
VIRGINIA MILITARY INSTITUTE											
TOTAL ENGINEERING ENROLLMENT	381	480	555	564	622	604	611	619	645	633	648
TOTAL MINORITY ENROLLMENT	6	12	16	17	20	22	27	28	33	39	39
TOTAL ENGINEERING GRADUATES	69	57	70	87	106	124	115	111	114	106	-
TOTAL MINORITY GRADUATES	-	2	-	-	5	3	1	5	2	6	-
VIRGINIA POLYTECHNIC INSTITUTE AND STATE											
TOTAL ENGINEERING ENROLLMENT	2395	2827	3350	3988	4429	4697	4691	4892	4846	4744	5182
TOTAL MINORITY ENROLLMENT	34	40	56	56	78	135	126	128	140	139	161
TOTAL ENGINEERING GRADUATES	462	413	432	553	669	762	889	936	1019	1091	-
TOTAL MINORITY GRADUATES	5	4	7	-	5	10	2	3	16	22	-
VIRGINIA, UNIVERSITY OF											
TOTAL ENGINEERING ENROLLMENT	974	1076	1272	1321	1351	1417	1454	1464	1467	1432	1402
TOTAL MINORITY ENROLLMENT	17	15	13	46	53	71	82	116	130	138	107
TOTAL ENGINEERING GRADUATES	178	206	180	254	286	322	309	274	354	329	-
TOTAL MINORITY GRADUATES	4	2	-	-	4	8	6	7	8	8	-
WASHINGTON & LEE											
TOTAL ENGINEERING ENROLLMENT	12	17	18	24	-	-	38	63	63	43	52
TOTAL MINORITY ENROLLMENT	-	-	-	-	-	-	1	-	-	1	1
TOTAL ENGINEERING GRADUATES	2	4	3	5	5	9	-	-	10	8	-
TOTAL MINORITY GRADUATES	-	-	-	-	-	1	-	-	-	-	-
WASHINGTON											
GONZAGA UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	159	172	165	213	193	219	250	301	377	342	317
TOTAL MINORITY ENROLLMENT	2	1	2	1	2	5	6	8	11	7	7
TOTAL ENGINEERING GRADUATES	29	25	24	30	27	35	39	41	36	79	-
TOTAL MINORITY GRADUATES	1	-	-	1	-	-	-	2	1	3	-
PACIFIC LUTHERAN UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	-	67	72	91	90	103	94	118	91	100	126
TOTAL MINORITY ENROLLMENT	-	1	-	-	1	-	2	-	1	3	4
TOTAL ENGINEERING GRADUATES	-	3	5	8	9	13	7	6	12	14	-
TOTAL MINORITY GRADUATES	-	-	-	-	-	-	-	-	-	-	-

NATIONAL ACTION COUNCIL FOR MINORITIES IN ENGINEERING

UNDERGRADUATE ENGINEERING ENROLLMENT AND GRADUATION BY STATE AND INSTITUTION

1974-75 TO 1984-85

INSTITUTION	74-75	75-76	76-77	77-78	78-79	79-80	80-81	81-82	82-83	83-84	84-85
SEATTLE PACIFIC COLLEGE											
TOTAL ENGINEERING ENROLLMENT	-	16	31	43	43	44	42	45	35	35	-
TOTAL MINORITY ENROLLMENT	-	-	-	-	2	1	1	4	3	3	-
TOTAL ENGINEERING GRADUATES	-	-	2	2	1	1	3	4	2	2	-
TOTAL MINORITY GRADUATES	-	-	-	-	-	-	-	-	-	-	-
SEATTLE UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	100	103	113	130	186	243	313	390	380	283	241
TOTAL MINORITY ENROLLMENT	6	3	9	7	10	8	11	8	9	6	6
TOTAL ENGINEERING GRADUATES	16	18	10	13	19	28	46	70	77	83	-
TOTAL MINORITY GRADUATES	2	-	-	-	2	4	-	1	2	1	-
ST. MARTIN'S COLLEGE											
TOTAL ENGINEERING ENROLLMENT	47	58	58	39	59	69	60	103	152	125	108
TOTAL MINORITY ENROLLMENT	1	1	-	1	-	1	2	3	2	2	2
TOTAL ENGINEERING GRADUATES	13	18	6	5	11	13	18	32	37	37	-
TOTAL MINORITY GRADUATES	-	1	-	-	-	3	-	-	-	-	-
WALLA WALLA COLLEGE											
TOTAL ENGINEERING ENROLLMENT	92	117	126	121	170	169	201	206	216	218	218
TOTAL MINORITY ENROLLMENT	5	4	4	4	8	8	7	2	6	9	11
TOTAL ENGINEERING GRADUATES	16	16	12	18	17	25	28	25	48	30	-
TOTAL MINORITY GRADUATES	1	-	1	1	1	1	-	1	4	1	-
WASHINGTON STATE UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	784	1362	1139	1784	1975	2284	2399	2935	2404	2227	2230
TOTAL MINORITY ENROLLMENT	5	27	9	9	9	39	29	31	34	33	23
TOTAL ENGINEERING GRADUATES	208	141	155	332	355	353	361	498	482	361	-
TOTAL MINORITY GRADUATES	5	1	1	-	-	16	10	8	-	3	-
WASHINGTON, UNIVERSITY OF, SEATTLE											
TOTAL ENGINEERING ENROLLMENT	1825	2287	2723	3399	3501	3660	2128	2610	3514	3944	4034
TOTAL MINORITY ENROLLMENT	18	31	41	70	89	112	34	109	183	140	225
TOTAL ENGINEERING GRADUATES	443	452	555	609	727	766	745	623	649	643	-
TOTAL MINORITY GRADUATES	5	7	4	5	5	4	8	7	15	7	-
WEST VIRGINIA											
MARSHALL UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	8	-	-	-	-	-	-	-	-	-	-
TOTAL MINORITY ENROLLMENT	-	-	-	-	-	-	-	-	-	-	-
TOTAL ENGINEERING GRADUATES	9	-	-	-	-	-	-	-	-	-	-
TOTAL MINORITY GRADUATES	-	-	-	-	-	-	-	-	-	-	-

NATIONAL ACTION COUNCIL FOR MINORITIES IN ENGINEERING

UNDERGRADUATE ENGINEERING ENROLLMENT AND GRADUATION BY STATE AND INSTITUTION

1974-75 TO 1984-85

INSTITUTION	74-75	75-76	76-77	77-78	78-79	79-80	80-81	81-82	82-83	83-84	84-85
WEST VIRGINIA INSTITUTE OF TECHNOLOGY											
TOTAL ENGINEERING ENROLLMENT	628	601	685	705	730	742	841	890	1093	1093	783
TOTAL MINORITY ENROLLMENT	-	15	18	103	34	32	34	41	-	-	18
TOTAL ENGINEERING GRADUATES	112	85	93	106	106	116	142	135	156	186	-
TOTAL MINORITY GRADUATES	-	1	4	4	2	6	-	11	7	2	-
WEST VIRGINIA UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	924	1101	1790	1985	2224	2213	2335	2257	2458	1977	1689
TOTAL MINORITY ENROLLMENT	6	3	5	6	20	28	26	21	58	28	34
TOTAL ENGINEERING GRADUATES	162	155	189	335	361	392	423	422	469	431	-
TOTAL MINORITY GRADUATES	2	1	3	1	4	9	1	-	6	6	-
WISCONSIN											
MARQUETTE UNIVERSITY											
TOTAL ENGINEERING ENROLLMENT	779	830	947	1134	1224	1371	1535	1630	1686	1804	1778
TOTAL MINORITY ENROLLMENT	-	-	58	76	72	93	90	74	78	83	78
TOTAL ENGINEERING GRADUATES	180	155	128	167	193	200	263	256	320	365	-
TOTAL MINORITY GRADUATES	1	-	3	4	7	8	5	10	11	10	-
MILWAUKEE SCHOOL OF ENGINEERING											
TOTAL ENGINEERING ENROLLMENT	286	326	326	339	315	318	266	536	-	837	957
TOTAL MINORITY ENROLLMENT	14	21	21	11	18	13	11	-	-	-	-
TOTAL ENGINEERING GRADUATES	48	45	51	43	59	58	51	54	84	82	-
TOTAL MINORITY GRADUATES	-	-	2	-	1	-	-	-	7	7	-
WISCONSIN, UNIVERSITY OF PARKSIDE											
TOTAL ENGINEERING ENROLLMENT	45	56	52	36	-	-	-	-	-	-	-
TOTAL MINORITY ENROLLMENT	-	1	-	-	-	-	-	-	-	-	-
TOTAL ENGINEERING GRADUATES	19	18	9	18	-	-	-	-	-	-	-
TOTAL MINORITY GRADUATES	-	-	-	-	-	-	-	-	-	-	-
WISCONSIN, UNIVERSITY OF, MADISON											
TOTAL ENGINEERING ENROLLMENT	2043	2572	2849	3179	3669	4073	4492	4818	4981	4944	4266
TOTAL MINORITY ENROLLMENT	69	93	103	118	145	158	171	170	152	150	115
TOTAL ENGINEERING GRADUATES	409	381	412	484	580	631	670	768	863	888	-
TOTAL MINORITY GRADUATES	2	5	2	3	13	5	7	19	24	18	-
WISCONSIN, UNIVERSITY OF, MILWAUKEE											
TOTAL ENGINEERING ENROLLMENT	683	1070	1161	1226	1226	1300	1487	1085	1428	1430	1095
TOTAL MINORITY ENROLLMENT	17	28	33	34	34	30	39	27	43	39	44
TOTAL ENGINEERING GRADUATES	99	105	119	141	133	155	225	192	220	202	-
TOTAL MINORITY GRADUATES	1	2	2	1	2	2	2	5	4	2	-

NATIONAL ACTION COUNCIL FOR MINORITIES IN ENGINEERING

UNDERGRADUATE ENGINEERING ENROLLMENT AND GRADUATION BY STATE AND INSTITUTION

1974-75 TO 1984-85

INSTITUTION	74-75	75-76	76-77	77-78	78-79	79-80	80-81	81-82	82-83	83-84	84-85
WISCONSIN, UNIVERSITY OF, PLATTEVILLE											
TOTAL ENGINEERING ENROLLMENT	496	585	740	903	980	1066	1166	1360	1519	1569	1469
TOTAL MINORITY ENROLLMENT	9	10	11	8	10	13	11	7	6	11	15
TOTAL ENGINEERING GRADUATES	70	69	95	85	115	246	143	163	141	204	-
TOTAL MINORITY GRADUATES	-	2	-	-	1	-	-	-	-	-	-
WYOMING											
WYOMING, UNIVERSITY OF											
TOTAL ENGINEERING ENROLLMENT	605	729	922	999	981	1054	1062	1371	1487	1369	1369
TOTAL MINORITY ENROLLMENT	4	8	11	14	15	20	14	21	19	19	20
TOTAL ENGINEERING GRADUATES	139	117	104	146	163	92	166	187	185	223	-
TOTAL MINORITY GRADUATES	-	-	2	1	2	1	1	2	2	-	-
U.S. TOTAL ENGINEERING ENROLLMENT PER YEAR *	197899	228183	254797	286500	308556	337807	362300	384162	400038	401155 1406	388992
U.S. TOTAL MINORITY ENROLLMENT PER YEAR *	9837	12516	15412	17950	20737	23999	26127	28781	29359	30501 42	30124 705
U.S. TOTAL ENGINEERING GRADUATES PER YEAR *	37794	37609	39718	45753	52161	58413	62615	66652	71637 485	76454 122	
U.S. TOTAL MINORITY GRADUATES *	1435	1498	1582	1679	1976	2383	2728	3007	3288 205	3817	

* NOT REPORTED, ESTIMATED BY EMC

SECTION II

SELECTED DATA ON ENGINEERING ENROLLMENT AND GRADUATION

The eleven tables in section II summarize selected data on enrollment and graduation. Information presented includes an ethnic breakdown of the most recent statistics on engineering enrollment and graduation, as well as a listing of institutions graduating the largest numbers of minority students in selected engineering disciplines.

TABLE 2

ETHNIC BREAKDOWN OF ENGINEERING ENROLLMENT BY STATE AND INSTITUTION 1984-85

STATE/INSTITUTION	TOTAL	%	TOTAL MINORITY	BLACKS	HISPANICS	AMERICA INDIANS
Alabama						
Alabama	2106	13.9%	293	280	11	2
Birmingham	392	15.1%	59	58	1	-
Huntsville *	736	5.2%	38	34	3	1
Auburn	3872	3.9%	151	139	11	1
South Alabama	712	9.3%	66	61	3	2
Tuskegee	698	94.8%	662	662	-	-
State Total:	8516	14.9%	1269	1234	29	6
Alaska						
Alaska	359	2.8%	10	2	6	2
State Total:	359	2.8%	10	2	6	2
Arizona						
Arizona	3668	12.5%	458	66	346	46
Arizona State +	2710	7.2%	194	37	120	37
Northern Arizona +*	1006	12.8%	129	7	55	67
State Total:	7384	10.6%	781	110	521	150
Arkansas						
Arkansas +	1697	8.8%	149	122	11	16
Arkansas State	252	12.7%	32	24	8	-
Arkansas Tech *	205	0.5%	1	1	-	-
John Brown	55	1.8%	1	-	-	-
State Total:	2209	8.3%	183	148	19	16
California						
Cal Poly St SLO +*	3078	8.2%	252	40	187	25
Cal St Chico +	765	4.2%	32	6	23	3
Cal St Fresno +	1003	11.9%	119	23	92	4
Cal St Fullerton +	1118	8.1%	90	22	53	15
Cal St Long Beach +	2274	17.7%	403	137	239	27
Cal St Los Ang +*	912	18.8%	171	35	134	2
Cal St Northridge +*	1634	17.1%	280	109	168	3
Cal St Poly Pomona +*	2339	13.0%	304	54	229	21
Cal St Sacramento +	2211	9.9%	219	71	133	15
Cal Tech +	353	-	-	-	-	-
Harvey Mudd	335	5.4%	18	3	1	-
Humboldt St	233	1.7%	4		4	-
Loyola Marymount	513	20.5%	105	27	78	-
Naval Post Grad	-	-	-	-	-	-
Northrop *	557	16.9%	94	25	69	-
Redlands	72	9.7%	7	5	2	-
San Diego St +	1685	10.7%	181	37	125	19
San Fran St +	783	12.9%	101	41	53	7
San Jose St +	1862	8.9%	166	60	100	6

TABLE 2 (Cont.)

STATE/INSTITUTION	TOTAL	%	TOTAL MINORITY	BLACKS	HISPANICS	AMERICAN INDIANS
California (Continued)						
Stanford +	675	15.7%	106	48	55	3
U Cal Berkeley +	2760	7.4%	203	78	113	12
U Cal Davis +	1721	12.6%	217	83	125	9
U Cal Irvine	901	6.7%	60	8	50	2
U Cal Los Ang (UCLA)+*	1651	11.3%	186	55	125	6
U Cal San Diego	3077	8.6%	266	70	185	11
U Cal Santa Barb +	1256	11.7%	147	36	107	4
U of The Pacific	680	8.8%	60	26	34	-
U Santa Clara	679	9.1%	62	9	53	-
U Southern Cal +	2419	9.6%	232	80	148	4
West Coast U LA	325	-	-	-	-	-
State Total:	37871	10.8%	4085	1188	2699	198
Colorado						
Col Colorado Spr	374	5.6%	21	5	15	1
Col Denver +	506	7.1%	36	13	23	-
Colorado	2154	3.3%	72	8	55	9
Colorado Mines	2107	2.8%	60	9	49	2
Colorado St *	1408	4.6%	65	16	47	2
USAF Academy	815	8.6%	70	35	33	2
State Total:	7364	4.4%	324	86	222	16
Connecticut						
Bridgeport U +	674	6.5%	44	19	24	1
Bridgeport Eng Ins	-	-	-	-	-	-
Conn	1802	2.3%	41	29	11	1
Hartford *	421	6.2%	26	8	13	5
New Haven	609	-	-	-	-	-
USCG Academy *	413	4.6%	19	6	12	1
Yale *	90	17.8%	16	12	4	-
State Total:	4009	3.6%	146	74	64	8
Delaware						
Delaware	1185	6.7%	79	65	14	-
State Total:	1185	6.7%	79	65	14	-
Dist of Columbia						
Catholic	490	5.7%	28	14	13	1
Geo Washington	788	4.4%	35	35	-	-
Howard	856	77.8%	666	666	-	-
U of DC	348	76.7%	267	254	12	1
State Total:	2482	40.1%	996	969	25	2

TABLE 2 (Cont.)

STATE/INSTITUTION	TOTAL	%	TOTAL MINORITY	BLACKS	HISPANICS	AMERICAN INDIANS
Florida						
Central Florida +	2001	7.3%	146	61	83	2
Embry Riddle	553	7.8%	43	13	29	1
Fl International	241	39.8%	96	13	83	-
Florida +	2621	9.5%	248	85	162	1
Florida Atlantic +	473	16.5%	78	21	57	-
Florida Ins Tech	995	4.5%	45	11	33	1
Miami	1104	23.1%	255	33	221	1
South Florida	2379	10.4%	247	72	164	11
State Total:	10367	11.2%	1158	309	832	17
Georgia						
Georgia	159	3.1%	5	2	1	2
Georgia Inst Tech +	5604	9.2%	517	379	129	9
State Total:	5763	9.1%	522	381	130	11
Hawaii						
Hawaii	1314	-	-	-	-	-
State Total:	1314	-	-	-	-	-
Idaho						
Idaho *	1354	1.0%	13	2	7	4
Idaho St	328	-	-	-	-	-
State Total:	1682	0.8%	13	2	7	4
Illinois						
Bradley	641	3.6%	23	10	13	-
Ill Chicago	2462	11.7%	289	127	156	6
Ill Inst Tech **	1508	15.3%	231	164	66	1
Illinois, Urbana +	5560	4.4%	245	153	88	4
Millikin	62	4.8%	3	3	-	-
Northwestern +	1338	11.7%	156	144	8	4
Parks St Louis	493	2.8%	14	12	2	-
Sthn Ill Carbon +	1206	4.3%	52	38	14	-
Sthn Ill Edwrvl +	456	7.9%	36	31	5	-
State Total:	13726	7.6%	1049	682	352	15
Indiana						
Evansville	668	1.9%	13	13	-	-
Indiana Tech	200	13.5%	27	24	3	-
Notre Dame	1499	4.5%	68	22	42	4
Purdue Calumet	324	8.6%	28	7	20	1
Purdue Ft Wayne	203	5.4%	11	3	3	5
Purdue Indnpls +	286	9.8%	28	24	4	-
Purdue W Laf +	6488	5.1%	330	241	82	7
Rose Hulman	1279	0.7%	9	8	1	-
Tri-State	562	-	-	-	-	-
Valparaiso	493	1.4%	7	3	3	1
State Total:	12002	4.3%	521	345	158	18

TABLE 2 (Cont.)

STATE/INSTITUTION	TOTAL	%	TOTAL MINORITY	BLACKS	HISPANICS	AMERICAN INDIANS
Iowa						
Iowa	1269	2.4%	31	14	13	4
Iowa St	5272	2.2%	118	78	39	1
State Total:	6541	2.3%	149	92	52	5
Kansas						
Kansas +	1660	6.2%	103	77	23	3
Kansas St +	2234	4.2%	94	46	41	7
Wichita St	1336	5.4%	72	17	31	24
State Total:	5230	5.1%	269	140	95	34
Kentucky						
Kentucky +	1599	2.6%	41	28	7	6
Louisville	1069	5.5%	59	50	8	1
State Total:	2668	3.7%	100	78	15	7
Louisiana						
Louisiana St +	3041	6.9%	209	142	61	6
Louisiana Tech	1525	8.8%	134	105	26	3
McNeese St	312	12.5%	39	33	3	3
New Orleans *	1539	-	-	-	-	-
Southern Univ	1081	58.1%	628	627	1	-
Southwestern LA	1381	6.6%	91	85	5	1
Tulane	888	6.6%	59	28	31	-
State Total:	9767	11.9%	1160	1020	127	13
Maine						
Maine Maritime	344	1.2%	4	2	1	1
Maine Orono *	1110	0.5%	5	1	1	3
State Total:	1454	0.6%	9	3	2	4
Maryland						
Johns Hopkins	595	5.4%	32	21	9	2
Loyola	130	1.5%	2	2	-	-
Maryland +	3041	6.8%	206	135	60	11
US Naval Acad	2581	8.1%	210	94	112	4
State Total:	6347	7.1%	450	252	181	17

TABLE 2 (Cont.)

STATE/INSTITUTION	TOTAL	%	TOTAL MINORITY	BLACKS	HISPANICS	AMERICAN INDIANS
Massachusetts						
Boston	1897	7.9%	150	89	58	3
Harvard *	345	8.4%	29	26	3	-
Lowell	2626	0.8%	21	5	13	3
Mass +	2322	5.8%	134	80	53	1
Mass Maritime	611	1.1%	7	3	4	-
Merrimack	245	-	-	-	-	-
MIT	2296	9.6%	220	128	87	5
Northeastern +	3593	3.9%	139	114	21	4
SE Massachusetts	746	1.5%	11	7	2	2
Tufts	898	2.6%	23	16	7	-
Western New Eng	592	1.0%	6	6	-	-
Worcester Poly	1957	1.0%	19	9	9	1
State Total:	18128	4.2%	759	483	257	19
Michigan						
Detroit	698	7.4%	52	37	15	-
GMI E & M Inst	2327	6.9%	160	122	30	8
Lawrence Tech	2158	7.4%	160	128	20	12
Michigan Dearborn *	698	8.2%	57	38	16	3
Michigan Ann Arbor +	3753	4.9%	184	135	35	14
Michigan St +	4250	9.3%	396	337	46	13
Michigan Tech	4185	1.2%	49	15	23	11
Oakland *	651	6.9%	45	38	5	2
Wayne St	1047	-	-	-	-	-
Western Mich *	1265	2.7%	34	8	5	1
State Total:	21032	5.4%	1137	878	195	64
Minnesota						
Minnesota +	4095	2.0%	83	43	29	11
State Total:	4095	2.0%	83	43	29	11
Mississippi						
Mississippi	641	7.5%	48	47	1	-
Mississippi St	2309	7.6%	176	172	2	2
State Total:	2950	7.6%	224	219	3	2
Missouri						
Mo Columbia	2346	5.5%	128	98	23	7
Mo Rolla +	4201	3.7%	157	99	49	9
Washington, Missouri	1057	5.1%	54	43	10	1
State Total:	7604	4.5%	339	240	82	17
Montana						
Montana Mineral	876	0.9%	8	3	3	2
Montana St	1628	1.0%	16	-	-	1
State Total:	2504	1.0%	24	3	4	17

TABLE 2 (Cont.)

STATE/INSTITUTION	TOTAL	%	TOTAL MINORITY	BLACKS	HISPANICS	AMERICAN INDIANS
Nebraska						
Nebraska +	1878	1.1%	20	10	8	2
Nebraska Omaha	-	-	-	-	-	-
State Total:	1878	1.1%	20	10	8	2
Nevada						
Nevada Las Vegas	250	6.4%	16	10	6	-
Nevada Reno	751	0.4%	3	1	1	1
State Total:	1001	1.9%	19	11	7	1
New Hampshire						
Dartmouth	385	2.3%	9	6	2	1
New England	85	-	-	-	-	-
New Hampshire	988	-	-	-	-	-
State Total:	1458	0.6%	9	6	2	1
New Jersey						
Fairlgh Dickinson *	662	6.0%	40	24	16	-
Monmouth	240	3.3%	8	5	3	-
NJ Inst Tech ++	2323	17.0%	395	190	203	2
Princeton	855	9.9%	85	54	30	1
Rutgers	2681	8.2%	221	116	104	1
Stevens Inst Tech +	1368	9.0%	123	30	93	-
State Total:	8129	10.7%	872	419	449	4
New Mexico						
New Mexico +	1622	33.0%	535	25	453	57
New Mexico M & T +	360	8.6%	31	1	16	14
New Mexico St +	1997	29.9%	597	27	528	42
State Total:	3979	29.2%	1163	53	997	113
New York						
CCNY	3019	46.6%	1407	826	581	-
Clarkson	2240	0.6%	14	1	5	8
Columbia	1136	8.5%	97	38	59	-
Cooper Union	489	4.3%	21	10	11	-
Cornell +	2444	11.1%	271	154	110	7
Hofstra	423	-	-	-	-	-
Manhattan	1413	8.8%	125	35	89	1
Merchant Marine	499	4.2%	21	13	8	-
Poly Inst NY	-	-	-	-	-	-
Pratt	562	36.3%	204	155	49	-
Rensselaer Poly +	2712	7.6%	206	88	117	1
Rochester	1149	2.3%	27	22	5	-
Rochester Inst	1505	3.2%	48	35	9	4
Staten Island *	315	-	-	-	-	-
SUNY Binghamton	20	-	-	-	-	-

TABLE 2 (Cont.)

STATE/INSTITUTION	TOTAL	%	TOTAL MINORITY	BLACKS	HISPANICS	AMERICAN INDIANS
New York (continued)						
SUNY Buffalo *	2611	3.5%	91	49	36	6
SUNY Ceramics	441	1.4%	6	3	3	-
SUNY Env Sci & Forestr	220	1.4%	3	3	-	-
SUNY Maritime	562	3.2%	18	8	9	1
SUNY Stony Brook	1123	5.6%	63	41	22	-
Syracuse *	1371	7.1%	98	73	24	1
Union	401	-	-	-	-	-
US Military Acad	-	-	-	-	-	-
Webb Naval Arch	87	1.1%	1	-	1	-
State Total:	24742	11.0%	2721	1554	1138	29
North Carolina						
Duke +	885	4.2%	37	24	13	-
NC A & T	921	79.0%	728	724	2	2
NC Chapel Hill	-	-	-	-	-	-
NC Charlotte	834	4.7%	39	34	5	-
NC State +	4661	9.3%	433	387	27	19
State Total:	7301	16.9%	1237	1169	47	21
North Dakota						
North Dakota	864	4.3%	37	1	36	-
North Dakota State	1746	2.4%	42	26	-	16
State Total:	2610	3.0%	79	27	36	16
Ohio						
Air Force Inst	53	13.2%	7	3	4	-
Akron	2311	3.1%	72	53	10	9
Case W Reserve +*	1934	2.2%	43	32	9	2
Cincinnati +	2125	2.8%	59	50	8	1
Cleveland St	1055	4.4%	46	36	2	8
Dayton +	988	3.2%	32	25	7	-
Miami, Ohio	1038	1.6%	17	17	-	-
Marietta	233	-	-	-	-	-
Ohio	1065	4.7%	50	40	6	4
Ohio Northern	450	0.7%	3	3	-	-
Ohio State +	7444	5.2%	390	335	50	5
Toledo	1905	3.5%	66	38	26	2
Wright St	1152	7.6%	88	69	12	7
Youngstown St *	999	-	-	-	-	-
State Total:	22752	3.8%	873	701	134	38
Oklahoma						
Northeastern Ok St	-	-	-	-	-	-
Oklahoma +	2040	6.5%	132	67	20	45
Oklahoma St +	2112	6.3%	132	51	20	61
Tulsa	923	3.8%	35	15	15	5
State Total:	5075	5.9%	299	133	55	111

TABLE 2 (Cont.)

STATE/INSTITUTION	TOTAL	%	TOTAL MINORITY	BLACKS	HISPANICS	AMERICAN INDIANS
Oregon						
Oregon St	2578	-	-	-	-	-
Portland	363	1.9%	7	1	3	3
Portland St	1151	3.0%	34	19	10	5
State Total:	4092	1.0%	41	20	13	8
Pennsylvania						
Bucknell	625	0.8%	5	2	3	-
Carnegie Mellon +	1560	2.1%	33	33	-	-
Drexel	2857	6.0%	172	140	30	2
Gannon	262	-	-	-	-	-
Geneva	252	2.0%	5	5	-	-
Grove City	480	-	-	-	-	-
Lafayette	591	3.0%	18	17	1	-
Lehigh	1752	2.2%	39	23	16	-
Penn +	1288	9.4%	121	99	22	-
Penn St +	7804	1.9%	149	98	43	8
Phila Textile	61	11.5%	7	6	1	-
Pittsburgh +	1930	4.4%	84	82	2	-
Swarthmore	127	4.7%	6	4	2	-
Temple	316	8.2%	26	21	5	-
Villanova	1083	1.6%	17	9	8	-
Widener	638	1.9%	12	9	3	-
Wilkes	243	0.8%	2	1	1	-
State Total:	21869	3.2%	696	549	137	10
Rhode Island						
Brown	417	14.9%	62	57	5	-
Providence	62	3.2%	2	-	2	-
Rhode Island	1331	1.7%	22	13	9	-
State Total:	1810	4.8%	86	70	16	-
South Carolina						
Clemson	2804	6.5%	182	173	8	1
South Carolina +	1236	12.1%	150	143	6	1
The Citadel *	499	5.8%	29	29	-	-
State Total:	4539	8.0%	361	345	14	2
South Dakota						
S Dakota Mines	1269	1.1%	14	6	3	5
South Dakota St	1147	-	-	-	-	-
State Total:	2416	0.6%	14	6	3	5

TABLE 2 (Cont.)

STATE/INSTITUTION	TOTAL	%	TOTAL MINORITY	BLACKS	HISPANICS	AMERICAN INDIANS
Tennessee						
Christian Bros	488	14.5%	71	67	4	-
Memphis St	1534	12.2%	187	178	8	1
Tenn Chatta	491	-	-	-	-	-
Tenn Knoxvl +	2509	9.0%	225	186	36	3
Tenn Martin	245	7.3%	18	18	-	-
Tennessee St	687	80.8%	555	554	1	-
Tennessee Tech	1980	1.8%	36	32	4	-
Vanderbilt	1125	4.7%	53	46	6	1
State Total:	9059	12.6%	1145	1081	59	5
Texas						
Houston +	1865	10.3%	192	110	78	4
Lamar	1042	-	-	-	-	-
Le Tourneau	214	0.9%	2	1	-	1
Prairie View A & M *	662	88.5%	586	586	-	-
Rice	938	3.7%	35	21	14	-
St Mary's *	102	56.9%	58	3	55	-
Sthn Methodist	372	12.1%	45	16	27	2
Texas A & I +	661	43.0%	284	14	270	-
Texas A & M +	7505	7.5%	560	130	415	15
Texas A & M Galveston	123	4.9%	6	2	4	-
Texas Arlington +	2236	7.4%	165	84	78	3
Texas Austin +	5209	13.5%	705	164	532	9
Texas El Paso	2039	47.8%	974	13	955	6
Texas Perm Basin	17	23.5%	4	1	3	-
Texas Tech *	2726	-	-	-	-	-
Trinity Texas	147	10.9%	16	1	15	-
State Total	25858	14.0%	3632	1146	2446	40
Utah						
Brigham Young	2188	0.7%	16	1	6	9
Utah +	2841	-	-	-	-	-
Utah St	851	0.7%	6	1	3	2
State Total:	5880	0.4%	22	2	9	11
Vermont						
Norwich	323	1.9%	6	3	3	-
Vermont	745	1.3%	10	3	7	-
State Total:	1068	1.5%	16	6	10	-
Virginia						
Old Dominion	959	7.3%	70	50	17	3
Virginia	1402	7.6%	107	97	9	1
VMI	648	6.0%	39	36	3	-
Virginia Poly Inst	5182	3.1%	161	133	25	3
Washington & Lee	52	1.9%	1	1	-	-
State Total:	8243	4.6%	378	317	54	7

TABLE 2 (Cont.)

STATE/INSTITUTION	TOTAL	%	TOTAL MINORITY	BLACKS	HISPANICS	AMERICAN INDIANS
Washington						
Gonzaga	317	2.2%	7	-	7	-
Pacific Lutheran	126	3.2%	4	1	3	-
Seattle	241	2.5%	6	4	-	2
Seattle Pacific	-	-	-	-	-	-
St Martins's	108	1.9%	2	-	2	-
Walla Walla *	218	5.0%	11	7	4	-
Washington +	4034	5.6%	225	129	59	37
Washington St	2230	1.0%	23	11	8	4
State Total:	7274	3.8%	278	152	83	43
West Virginia						
W Virginia	1689	2.0%	34	22	10	2
WV Tech	783	2.3%	18	15	2	1
State Total:	2472	2.1%	52	37	12	3
Wisconsin						
Marquette	1778	4.4%	78	32	45	1
Milwaukee Eng	957	-	-	-	-	-
Wisc Madison +	4266	2.7%	115	67	41	7
Wisc Milwaukee	1095	4.0%	44	32	8	4
Wisc Platteville	1469	1.0%	15	7	6	2
State Total:	9565	2.6%	252	138	100	14
Wyoming						
Wyoming *	1369	1.5%	20	3	13	4
State Total:	1369	1.5%	20	3	13	4
TOTAL	388992	-	30124	17001	11962	1161
NOT REPORTED (ESTIMATED)	2060	-	705	450	230	25
U.S. TOTAL	391052	-	30829	17421	12192	1186

* Previous year data (no response in 1984) or an estimate
+ Minority Engineering Program

NOTES

Figures do not include the University of Mayaguez, Puerto Rico. The total estimated enrollment reported by the Engineering Manpower Commission is 3,583 for 1984-85.

Source of information: 1984-85 Engineering Manpower Commission Report

TABLE 3
ETHNIC BREAKDOWN OF ENGINEERING GRADUATES BY STATE AND INSTITUTION 1983-84

STATE/INSTITUTION	TOTAL	%	TOTAL MINORITY	BLACKS	HISPANICS	AMERICAN INDIANS
Alabama						
Alabama	281	10.7%	30	26	2	2
Birmingham	136	3.7%	5	4	-	1
Huntsville	128	1.6%	2	2	-	-
Auburn	735	1.8%	13	9	4	-
South Alabama	121	2.5%	3	2	1	-
Tuskegee	87	85.1%	74	74	-	-
State Total:	1488	8.5%	127	117	7	3
Alaska						
Alaska	37	2.7%	1	-	1	-
State Total:	37	2.7%	1	-	1	-
Arizona						
Arizona	523	5.9%	31	3	23	5
Arizona State	354	3.4%	12	2	9	1
Northern Arizona	123	2.4%	3	-	2	1
State Total:	1000	4.6%	46	5	34	7
Arkansas						
Arkansas	304	6.3%	19	17	1	1
Arkansas State	31	-	-	-	-	-
Arkansas Tech	16	-	-	-	-	-
John Brown	8	-	-	-	-	-
State Total:	359	5.3%	19	17	1	1
California						
Cal Poly St SLO	591	4.9%	29	4	21	4
Cal St Chico	79	5.1%	4	-	3	1
Cal St Fresno	115	3.5%	4	1	3	-
Cal St Fullerton	119	2.5%	3	-	3	-
Cal St Long Beach	389	7.5%	29	12	15	2
Cal St Los Ang	155	14.8%	23	13	10	-
Cal St Northridge	253	7.1%	18	5	12	1
Cal St Poly Pomona	429	11.0%	47	6	36	5
Cal St Sacramento	252	1.2%	3	2	1	-
Cal Tech	139	-	-	-	-	-
Harvey Mudd	66	-	-	-	-	-
Humboldt St - XX	-	-	-	-	-	-
Loyola Marymount	97	14.4%	14	4	10	-
Naval Post Grad	4	-	-	-	-	-
Northrop - XX	-	-	-	-	-	-
Redlands	4	-	-	-	-	-
San Diego St	355	6.2%	22	5	14	3

TABLE 3 (Cont.)

STATE/INSTITUTION	TOTAL	%	TOTAL MINORITY	BLACKS	HISPANICS	AMERICAN INDIANS
California (Continued)						
San Fran St	87	9.2%	8	4	1	3
San Jose St	346	11.6%	40	11	29	-
Stanford	306	14.7%	45	24	20	1
U Cal Berkeley	828	3.1%	26	12	12	2
U Cal Davis	386	5.7%	22	6	16	-
U Cal Irvine	162	6.2%	10	-	10	-
U Cal Los Ang (UCLA)	379	6.9%	26	6	20	-
U Cal San Diego	351	-	-	-	-	-
U Cal Santa Barb	272	7.7%	21	3	17	1
U of The Pacific	90	5.6%	5	-	5	-
U Santa Clara	126	6.3%	8	-	8	-
U Southern Cal	666	8.1%	54	26	28	-
West Coast U LA	40	10.0%	4	3	1	-
State Total:	7086	6.6%	465	147	295	23
Colorado						
Col Colorado Spr	54	1.9%	1	1	-	-
Col Denver	169	3.6%	6	4	2	-
Colorado	423	2.8%	12	2	10	-
Colorado Mines	469	0.6%	3	-	3	-
Colorado St	265	2.6%	7	1	6	-
USAF Academy	431	5.6%	24	13	9	2
State Total:	1811	2.9%	53	21	30	2
Connecticut						
Bridgeport U	107	4.7%	5	4	1	-
Bridgeport Eng Inst	48	-	-	-	-	-
Conn	336	1.8%	6	3	3	-
Hartford	123	2.4%	3	1	2	-
New Haven	134	-	-	-	-	-
USCG Academy	81	-	-	-	-	-
Yale	69	17.4%	12	8	4	-
State Total:	898	2.9%	26	16	10	-
Delaware						
Delaware	268	3.4%	9	7	2	-
State Total:	268	3.4%	9	7	2	-
Dist of Columbia						
Catholic	105	7.6%	8	6	2	-
Geo Washington	161	10.6%	17	7	10	-
Howard	108	68.5%	74	74	-	-
U of DC	79	63.3%	50	40	10	-
State Total:	453	32.9%	149	127	22	-

TABLE 3 (Cont.)

STATE/INSTITUTION	TOTAL	%	TOTAL MINORITY	BLACKS	HISPANICS	AMERICAN INDIANS
Florida						
Central Florida	233	7.3%	17	5	12	-
Embry Riddle	102	2.9%	3	2	1	-
Fl International	43	41.9%	18	1	17	-
Florida	652	8.7%	57	14	43	-
Florida Atlantic	136	12.5%	17	2	15	-
Florida Ins Tech	185	2.7%	5	-	5	-
Miami	301	16.6%	50	13	37	-
South Florida	349	10.0%	35	9	26	-
State Total:	2001	10.1%	202	46	156	-
Georgia						
Georgia	35	5.7%	2	-	2	-
Georgia Inst Tech	1315	8.3%	109	81	26	2
State Total:	1350	8.2%	111	81	28	2
Hawaii						
Hawaii	192	-	-	-	-	-
State Total:	192	-	-	-	-	-
Idaho						
Idaho	223	-	-	-	-	-
Idaho St	19	-	-	-	-	-
State Total:	242	-	-	-	-	-
Illinois						
Bradley	183	0.5%	1	1	-	-
Ill Chicago	404	6.2%	25	8	15	2
Ill Inst Tech	332	6.3%	21	15	6	-
Illinois	1423	2.2%	32	12	18	2
Millikin	18	5.6%	1	1	-	-
Northwestern	298	6.7%	20	16	4	-
Parks St Louis	58	3.4%	2	2	-	-
Sthn Ill Carbon	225	-	-	-	-	-
Sthn Ill Edwrvl	58	-	-	-	-	-
State Total:	2999	3.4%	102	55	43	4

TABLE 3 (Cont.)

STATE/INSTITUTION	TOTAL	%	TOTAL MINORITY	BLACKS	HISPANICS	AMERICAN INDIANS
Indiana						
Evansville	140	1.4%	2	2	-	-
Indiana	3	-	-	-	-	-
Indiana Tech	31	-	-	-	-	-
Notre Dame	374	3.5%	13	7	6	-
Purdue Calumet	50	4.0%	2	-	2	-
Purdue Indnpls	95	2.1%	2	1	1	-
Purdue W Laf	1386	4.5%	62	52	10	-
Rose Hulman	260	1.2%	3	2	1	-
Tri-State	146	-	-	-	-	-
Valparaiso	109	-	-	-	-	-
State Total:	2594	3.2%	84	64	20	-
Iowa						
Iowa	182	0.5%	1	-	1	-
Iowa St	784	1.1%	9	5	4	-
State Total:	966	1.0%	10	5	5	-
Kansas						
Kansas	336	3.9%	13	11	2	-
Kansas St	434	3.2%	14	4	7	3
Wichita	141	2.1%	3	1	2	-
State Total:	911	3.3%	30	16	11	3
Kentucky						
Kentucky	339	1.2%	4	2	2	-
Louisville	217	3.7%	8	5	3	-
State Total:	556	2.2%	12	7	5	-
Louisiana						
Louisiana St	446	2.7%	12	8	4	-
Louisiana Tech	319	3.4%	11	10	1	-
McNeese St	31	16.1%	5	5	-	-
New Orleans	131	-	-	-	-	-
Southern Univ	153	37.3%	57	57	-	-
Southwestern LA	178	6.2%	11	9	2	-
Tulane	207	11.1%	23	14	9	-
State Total:	1465	8.1%	119	103	16	-
Maine						
Maine Maritime	110	1.8%	2	1	-	1
Maine Orono	260	-	-	-	-	-
State Total:	370	0.5%	2	1	-	1

TABLE 3 (Cont.)

STATE/INSTITUTION	TOTAL	%	TOTAL MINORITY	BLACKS	HISPANICS	AMERICAN INDIANS
Maryland						
Johns Hopkins	140	3.6%	5	3	1	1
Loyola	30	-	-	-	-	-
Maryland	642	3.9%	25	11	13	1
US Naval Acad	377	6.4%	24	5	17	2
State Total:	1189	4.5%	54	19	31	4
Massachusetts						
Boston	317	7.6%	24	10	13	1
Harvard	88	4.5%	4	4	-	-
Lowell	463	-	-	-	-	-
Mass	474	3.6%	17	4	13	-
Mass Maritime	126	-	-	-	-	-
Merrimack	38	-	-	-	-	
MIT	789	8.5%	67	49	16	2
Northeastern	717	3.9%	28	17	11	-
SE Massachusetts	99	1.0%	1	1	-	-
Tufts	223	3.1%	7	6	-	1
Western New Eng	116	0.9%	1	1	-	-
Worcester Poly	508	1.0%	5	2	3	-
State Total:	3958	3.9%	154	94	56	4
Michigan						
Detroit	104	6.7%	7	7	-	-
GMI E&M Inst	351	8.8%	31	22	7	2
Lawrence Tech	383	2.1%	8	5	3	-
Mich Dearborn	164	1.2%	2	1	1	-
Michigan	1162	3.6%	42	31	7	4
Michigan St	708	2.4%	17	15	2	-
Michigan Tech	995	0.7%	7	4	2	1
Oakland	182	1.1%	2	2	-	-
Wayne St	213	9.4%	20	16	4	-
Western Mich	169	-	-	-	-	-
State Total:	4431	3.1%	136	103	26	7
Minnesota						
Minnesota	906	-	-	-	-	-
State Total:	906	-	-	-	-	-
Mississippi						
Mississippi	154	3.9%	6	4	2	-
Mississippi St	396	2.5%	10	10	-	-
State Total:	550	2.9%	16	14	2	-

TABLE 3 (Cont.)

STATE/INSTITUTION	TOTAL	%	TOTAL MINORITY	BLACKS	HISPANICS	AMERICAN INDIANS
Missouri						
Mo Columbia	521	1.5%	8	8	-	-
Mo Rolla	1057	2.9%	31	22	8	1
Washington	309	4.2%	13	7	6	-
State Total:	1887	2.8%	52	37	14	1
Montana						
Montana Mineral	185	0.5%	1	-	-	-
Montana St	319	0.3%	1	-	-	1
State Total:	504	0.4%	2	-	1	1
Nebraska						
Nebraska	311	-	-	-	-	-
Nebraska Omaha	7	-	-	-	-	-
State Total:	318	-	-	-	-	-
Nevada						
Nevada Las Veg	15	6.7%	1	-	1	-
Nevada Reno	130	2.3%	3	2	-	1
State Total:	145	2.8%	4	2	1	1
New Hampshire						
Dartmouth	50	8.0%	4	4	-	-
New England	23	-	-	-	-	-
New Hampshire	188	-	-	-	-	-
State Total:	261	1.5%	4	4	-	-
New Jersey						
Fairlgh Dickinson	181	11.0%	20	10	10	-
Monmouth	25	-	-	-	-	-
NJ Inst Tech	476	11.1%	53	22	31	-
Princeton	190	9.5%	18	9	9	-
Rutgers	577	4.9%	28	16	12	-
Stevens Inst Tech	300	7.7%	23	5	18	-
State Total:	1749	8.1%	142	62	80	-
New Mexico						
New Mexico	292	16.4%	48	2	43	3
New Mexico M&T	85	11.8%	10	1	8	1
New Mexico St	258	20.9%	54	-	54	-
State Total:	635	17.6%	112	3	105	4

TABLE 3 (Cont.)

STATE/INSTITUTION	TOTAL	%	TOTAL MINORITY	BLACKS	HISPANICS	AMERICAN INDIANS
New York						
CCNY	299	35.5%	106	72	34	-
Clarkson	660	0.2%	1	-	1	-
Columbia	303	6.9%	21	7	14	-
Cooper Union	110	0.9%	1	-	1	-
Cornell	573	7.9%	45	20	23	2
Hofstra	41	4.9%	2	1	1	-
Manhattan	369	13.0%	48	5	43	-
Merchant Marine	112	3.6%	4	1	3	-
NY Inst Tech	171	-	-	-	-	-
Poly Inst NY	457	9.4%	43	24	19	-
Pratt	155	25.2%	39	32	7	-
Rensselaer Poly	695	7.8%	54	24	30	-
Rochester	205	3.4%	7	4	3	-
Rochester Tech	261	0.8%	2	-	2	-
Staten Island	35	11.4%	4	3	1	-
SUNY Buffalo	539	1.3%	7	3	2	2
SUNY Ceramics	98	-	-	-	-	-
SUNY Env Sci & FR	78	2.6%	2	-	2	-
SUNY Maritime	113	2.7%	3	-	3	-
SUNY Stony Brook	210	2.4%	5	2	3	-
Syracuse	319	4.7%	15	11	4	-
Union	167	-	-	-	-	-
US Military Acad	987	8.8%	87	54	30	3
Webb Naval Arch	12	-	-	-	-	-
State Total:	6969	7.1%	496	263	226	7
North Carolina						
Duke	225	2.7%	6	5	1	-
NC A & T	97	57.7%	56	56	-	-
NC Charlotte	118	-	-	-	-	-
NC State	974	5.7%	56	52	3	1
State Total:	1414	8.3%	118	113	4	1
North Dakota						
North Dakota	152	-	-	-	-	-
North Dakota State	349	8.3%	29	3	19	7
State Total:	501	5.8%	29	3	19	7

TABLE 3 (Cont.)

STATE/INSTITUTION	TOTAL	%	TOTAL MINORITY	BLACKS	HISPANICS	AMERICAN INDIANS
Ohio						
Air Force Inst	51	2.0%	1	-	1	-
Akron	281	-	-	-	-	-
Case W Reserve	290	3.4%	10	9	1	-
Cincinnati	398	1.8%	7	5	2	-
Cleveland St	255	5.9%	15	4	6	5
Dayton	213	3.8%	8	7	1	-
Marietta	77	-	-	-	-	-
Ohio	186	2.7%	5	5	-	-
Ohio Northern	84	-	-	-	-	-
Ohio State	1112	1.3%	14	12	1	1
Toledo	282	3.5%	10	3	7	-
Wright St	151	2.6%	4	3	1	-
Youngstown	194	2.1%	4	2	2	-
State Total:	3574	2.2%	78	50	22	6
Oklahoma						
Northeastern Ok St	7	-	-	-	-	-
Oklahoma	434	-	-	-	-	-
Oklahoma St	330	2.4%	8	2	4	2
Tulsa	231	2.2%	5	3	2	-
State Total:	1002	1.3%	13	5	6	2
Oregon						
Oregon St	388	-	-	-	-	-
Portland	105	1.9%	2	-	1	1
Portland St	134	2.2%	3	1	2	-
State Total:	627	0.8%	5	1	3	1
Pennsylvania						
Bucknell	146	1.4%	2	1	1	-
Carnegie Mellon	365	3.0%	11	11	-	-
Drexel	560	5.4%	30	28	2	-
Gannon	65	-	-	-	-	-
Geneva	71	1.4%	1	1	-	-
Grove City	106	-	-	-	-	-
Lafayette	165	1.2%	2	2	-	-
Lehigh	540	1.5%	8	1	6	1
Penn	243	6.6%	16	10	6	-
Penn St	1519	1.1%	17	7	10	-
Phila Textile	24	-	-	-	-	-
Pitt	488	3.3%	16	16	-	-
Swarthmore	32	-	-	-	-	-
Temple	4	-	-	-	-	-
Villanova	222	3.6%	8	4	4	-
Widener	96	4.2%	4	2	2	-
Wilkes	36	-	-	-	-	-
State Total:	4682	2.5%	115	83	31	1

TABLE 3 (Cont.)

STATE/INSTITUTION	TOTAL	%	TOTAL MINORITY	BLACKS	HISPANICS	AMERICAN INDIANS
Rhode Island						
Brown	88	9.1%	8	8	-	-
Providence - XX	-	-	-	-	-	-
Rhode Island	232	0.9%	2	1	1	-
State Total:	320	3.1%	10	9	1	-
South Carolina						
Clemson	455	2.6%	12	11	1	-
South Carolina	255	6.7%	17	15	2	-
The Citadel	42	-	-	-	-	-
State Total:	752	3.9%	29	26	3	-
South Dakota						
S Dakota Mines	328	0.3%	1	-	-	1
South Dakota St	224	0.4%	1	-	1	-
State Total:	552	0.4%	2	-	1	1
Tennessee						
Christian Bros	81	7.4%	6	6	-	-
Memphis St	137	2.9%	4	1	3	-
Tenn Chatta	70	4.3%	3	2	1	-
Tenn Knoxvl	552	6.2%	34	22	12	-
Tennessee St	51	49.0%	25	25	-	-
Tennessee Tech	404	6.2%	25	10	15	-
Vanderbilt	218	3.2%	7	7	-	-
State Total:	1513	6.9%	104	73	31	-
Texas						
Houston	326	2.8%	9	2	7	-
Lamar	146	9.6%	14	11	3	-
Le Tourneau	48	-	-	-	-	-
Prairie View A & M	106	91.5%	97	97	-	-
Rice	192	9.9%	19	10	7	2
St Mary's	15	26.7%	4	-	4	-
Sthn Methodist	155	12.3%	19	4	15	-
Texas A & I	122	45.9%	56	2	54	-
Texas A & M	1419	3.2%	46	9	35	2
Texas A & M Galv	13	-	-	-	-	-
Texas Arlington	314	3.5%	11	3	8	-
Texas Austin	1004	8.6%	86	16	67	3
Texas El Paso	193	43.5%	84	-	84	-
Texas Perm Basin	9	-	-	-	-	-
Texas Tech	381	5.2%	20	13	7	-
Trinity Texas	16	18.8%	3	-	1	2
State Total:	4459	10.5%	468	167	292	9

TABLE 3 (Cont.)

STATE/INSTITUTION	TOTAL	%	TOTAL MINORITY	BLACKS	HISPANICS	AMERICAN INDIANS
Utah						
Brigham Young	333	0.6%	2	-	2	-
Utah	307	-	-	-	-	-
Utah St	124	-	-	-	-	-
State Total:	764	0.3%	2	-	2	-
Vermont						
Norwich	57	-	-	-	-	-
Vermont	156	-	-	-	-	-
State Total:	213	-	-	-	-	-
Virginia						
Old Dominion	169	5.3%	9	6	1	2
Virginia	329	2.4%	8	4	2	2
VMI	106	5.7%	6	4	2	-
VPI	1091	2.0%	22	18	4	-
Washington & Lee	8	-	-	-	-	-
State Total:	1703	2.6%	45	32	9	4
Washington						
Gonzaga	79	3.8%	3	-	2	1
Pacific Lutheran	14	-	-	-	-	-
Seattle	83	1.2%	1	-	1	-
Seattle Pacific	2	-	-	-	-	-
St Martins's	37	-	-	-	-	-
Walla Walla	30	3.3%	1	-	1	-
Washington	643	1.1%	7	3	4	-
Washington St	361	0.8%	3	1	2	-
State Total:	1249	1.2%	15	4	10	1
West Virginia						
W Virginia	431	1.4%	6	1	5	-
WV Tech	186	1.1%	2	2	-	-
State Total:	617	1.3%	8	3	5	-

TABLE 3 (Cont.)

STATE/INSTITUTION	TOTAL	%	TOTAL MINORITY	BLACKS	HISPANICS	AMERICAN INDIANS
Wisconsin						
Marquette	365	2.7%	10	3	7	-
Milwaukee Eng	82	8.5%	7	5	2	-
Wisc Madison	888	2.0%	18	8	7	3
Wisc Milwaukee	202	1.0%	2	1	-	1
Wisc Platteville	204	-	-	-	-	-
State Total:	1741	2.1%	37	17	16	4
Wyoming						
Wyoming	223	-	-	-	-	-
State Total:	223	-	-	-	-	-
XX						
All Unreported	122	-	-	-	-	-
U.S. TOTAL	76576	-	3817	2022	1683	112

NOTES

Figures do not include the University of Mayaguez, Puerto Rico; the Engineering Manpower Commission reported a total of 355 graduates for 1983-84.

Source of Information: 1983-84 Engineering Manpower Commission Report.

TABLE 4

ENGINEERING INSTITUTIONS GRADUATING SIX PERCENT OR MORE MINORITY STUDENTS
1983-84

INSTITUTION	TOTAL	%	TOTAL MINORITY	BLACKS	HISPANICS	AMERICAN INDIANS
Prairie View A&M	106	91.5%	97	97	-	-
Tuskegee	87	85.1%	74	74	-	-
Howard	108	68.5%	74	74	-	-
U of DC	79	63.3%	50	40	10	-
NC A&T	97	57.7%	56	56	-	-
Tennessee St	51	49.0%	25	25	-	-
Texas A&I	122	45.9%	56	2	54	-
Texas El Paso	193	43.5%	84	-	84	-
Florida Internt'l	43	41.9%	18	1	17	-
Southern Univ	153	37.3%	57	57	-	-
CCNY	299	35.5%	106	72	34	-
St Mary's	15	26.7%	4	-	4	-
Pratt	155	25.2%	39	32	7	-
New Mexico St	258	20.9%	54	-	54	-
Trinity Texas	16	18.8%	3	-	1	2
Yale	69	17.4%	12	8	4	-
U Miami	301	16.6%	50	13	37	-
New Mexico	292	16.4%	48	2	43	3
McNeese St	31	16.1%	5	5	-	-
Cal St Los Ang	155	14.8%	23	13	10	-
Stanford	306	14.7%	45	24	20	1
Loyola Marymount	97	14.4%	14	4	10	-
Manhattan Col	369	13.0%	48	5	43	-
Florida Atlantic	136	12.5%	17	2	15	-
Sthn Methodist	155	12.3%	19	4	15	-
New Mexico M&T	85	11.8%	10	1	8	1
San Jose St	346	11.6%	40	11	29	-
Staten Island	35	11.4%	4	3	1	-
NJ Inst Tech	476	11.1%	53	22	31	-
Tulane	207	11.1%	23	14	9	-
Fairlgh Dickinson	181	11.0%	20	10	10	-
Cal St Poly Pomona	429	11.0%	47	6	36	5
U Alabama	281	10.7%	30	26	2	2
Geo Washington	161	10.6%	17	7	10	-
South Florida	349	10.0%	35	9	26	-
West Coast U LA	40	10.0%	4	3	1	-
Rice	192	9.9%	19	10	7	2
Lamar	146	9.6%	14	11	3	-
Princeton	190	9.5%	18	9	9	-
Poly Inst NY	457	9.4%	43	24	19	-
Wayne St	213	9.4%	20	16	4	-
San Fran St	87	9.2%	8	4	1	3
Brown	88	9.1%	8	8	-	-
GMI E&M Inst	351	8.8%	31	22	7	2
US Military Acad	987	8.8%	87	54	30	3
U Florida	652	8.7%	57	14	43	-

TABLE 4 (cont.)

INSTITUTION	TOTAL	%	TOTAL MINORITY	BLACKS	HISPANICS	AMERICAN INDIANS
Texas Austin	1004	8.6%	86	16	67	3
Milwaukee Eng	82	8.5%	7	5	2	-
MIT	789	8.5%	67	49	16	2
North Dakota State	349	8.3%	29	3	19	7
Georgia Inst Tech	1315	8.3%	109	81	26	2
U Southern Cal	666	8.1%	54	26	28	-
Dartmouth	50	8.0%	4	4	-	-
Cornell	573	7.9%	45	20	23	2
Rensselaer Poly	695	7.8%	54	24	30	-
U Cal Santa Barb	272	7.7%	21	3	17	1
Stevens Inst Tech	300	7.7%	23	5	18	-
Catholic	105	7.6%	8	6	2	-
Boston	317	7.6%	24	10	13	1
Cal St Long Beach	389	7.5%	29	12	15	2
Christian Bros	81	7.4%	6	6	-	-
Central Florida	233	7.3%	17	5	12	-
Cal St Northridge	253	7.1%	18	5	12	1
Columbia	303	6.9%	21	7	14	-
U Cal Los Ang (UCLA)	379	6.9%	26	6	20	-
Detroit	104	6.7%	7	7	-	-
Northwestern	298	6.7%	20	16	4	-
Nevada Las Veg	15	6.7%	1	-	1	-
South Carolina	255	6.7%	17	15	2	-
U Pennsylvania	243	6.6%	16	10	6	-
US Naval Acad	377	6.4%	24	5	17	2
U Santa Clara	126	6.3%	8	-	8	-
Ill Inst Tech	332	6.3%	21	15	6	-
U Arkansas	304	6.3%	19	17	1	1
San Diego St	355	6.2%	22	5	14	3
Ill Chicago	404	6.2%	25	8	15	2
Tennessee Tech	404	6.2%	25	10	15	-
Southwestern LA	178	6.2%	11	9	2	-
U Cal Irvine	162	6.2%	10	-	10	-
Tenn Knoxvl	552	6.2%	34	22	12	-
U Arizona	523	5.9%	31	3	23	5

TABLE 5

TOP FORTY INSTITUTIONS GRADUATING BLACK ENGINEERS 1983-84

INSTITUTION	TOTAL	%	TOTAL MINORITY	BLACKS	HISPANICS	AMERICAN INDIANS
Prairie View A&M	106	91.5%	97	97	-	-
Georgia Inst Tech	1315	8.3%	109	81	26	2
Tuskegee	87	85.1%	74	74	-	-
Howard	108	68.5%	74	74	-	-
CCNY	299	35.5%	106	72	34	-
Southern Univ	153	37.3%	57	57	-	-
NC A&T	97	57.7%	56	56	-	-
US Military Acad	987	8.8%	87	54	30	3
Purdue W Laf	1386	4.5%	62	52	10	-
NC State	974	5.7%	56	52	3	1
MIT	789	8.5%	67	49	16	2
U of DC	79	63.3%	50	40	10	-
Pratt	155	25.2%	39	32	7	-
U Michigan	1162	3.6%	42	31	7	4
Drexel	560	5.4%	30	28	2	-
U Southern Cal	666	8.1%	54	26	28	-
U Alabama	281	10.7%	30	26	2	2
Tennessee St	51	49.0%	25	25	-	-
Rensselaer Poly	695	7.8%	54	24	30	-
Stanford	306	14.7%	45	24	20	1
Poly Inst NY	457	9.4%	43	24	19	-
Mo Rolla	1057	2.9%	31	22	8	1
Tenn Knoxvl	552	6.2%	34	22	12	-
NJ Inst Tech	476	11.1%	53	22	31	-
GMI E&M Inst	351	8.8%	31	22	7	2
Cornell	573	7.9%	45	20	23	2
VPI	1091	2.0%	22	18	4	-
U Arkansas	304	6.3%	19	17	1	1
Northeastern	717	3.9%	28	17	11	-
Northwestern	298	6.7%	20	16	4	-
U Pittsburgh	488	3.3%	16	16	-	-
Rutgers	577	4.9%	28	16	12	-
Texas Austin	1004	8.6%	86	16	67	3
Wayne St	213	9.4%	20	16	4	-
Michigan St	708	2.4%	17	15	2	-
South Carolina	255	6.7%	17	15	2	-
Ill Inst Tech	332	6.3%	21	15	6	-
U Florida	652	8.7%	57	14	43	-
Tulane	207	11.1%	23	14	9	-
USAF Academy	431	5.6%	24	13	9	2

TABLE 6

TOP FORTY INSTITUTIONS GRADUATING HISPANIC ENGINEERS 1983-84

INSTITUTION	TOTAL	%	TOTAL MINORITY	BLACK	HISPANICS	AMERICAN INDIAN
Texas El Paso	193	43.5%	84	-	84	-
Texas Austin	1004	8.6%	86	16	67	3
Texas A&I	122	45.9%	56	2	54	-
New Mexico St	258	20.9%	54	-	54	-
Manhattan	369	13.0%	48	5	43	-
U New Mexico	292	16.4%	48	2	43	3
U Florida	652	8.7%	57	14	43	-
U Miami	301	16.6%	50	13	37	-
Cal St Poly Pomona	429	11.0%	47	6	36	5
Texas A&M	1419	3.2%	46	9	35	2
CCNY	299	35.5%	106	72	34	-
NJ Inst Tech	476	11.1%	53	22	31	-
Rensselaer Poly	695	7.8%	54	24	30	-
US Military Acad	987	8.8%	87	54	30	3
San Jose St	346	11.6%	40	11	29	-
U Southern Cal	666	8.1%	54	26	28	-
Georgia Inst Tech	1315	8.3%	109	81	26	2
South Florida	349	10.0%	35	9	26	-
U Arizona	523	5.9%	31	3	23	5
Cornell	573	7.9%	45	20	23	2
Cal Poly St SLO	591	4.9%	29	4	21	4
Stanford	306	14.7%	45	24	20	1
U Cal Los Ang (UCLA)	379	6.9%	26	6	20	-
North Dakota State	349	8.3%	29	3	19	7
Poly Inst NY	457	9.4%	43	24	19	-
Stevens Inst Tech	300	7.7%	23	5	18	-
U Illinois	1423	2.2%	32	12	18	2
U Cal Santa Barb	272	7.7%	21	3	17	1
Fl International	43	41.9%	18	1	17	-
US Naval Acad	377	6.4%	24	5	17	2
U Cal Davis	386	5.7%	22	6	16	-
MIT	789	8.5%	67	49	16	2
Cal St Long Beach	389	7.5%	29	12	15	2
Tennessee Tech	404	6.2%	25	10	15	-
Ill Chicago	404	6.2%	25	8	15	2
Florida Atlantic	136	12.5%	17	2	15	-
Sthn Methodist	155	12.3%	19	4	15	-
San Diego St	355	6.2%	22	5	14	3
Columbia	303	6.9%	21	7	14	-
U Boston	317	7.6%	24	10	13	1

TABLE 7

INSTITUTIONS GRADUATING THREE OR MORE AMERICAN INDIAN ENGINEERS 1983-84

INSTITUTION	TOTAL	%	TOTAL MINORITY	BLACK	HISPANICS	AMERICAN INDIAN
North Dakota State	349	8.3%	29	3	19	7
Cleveland St	255	5.9%	15	4	6	5
Cal St Poly Pomona	429	11.0%	47	6	36	5
U Arizona	523	5.9%	31	3	23	5
Cal Poly St SLO	591	4.9%	29	4	21	4
U Michigan	1162	3.6%	42	31	7	4
New Mexico	292	16.4%	48	2	43	3
Texas Austin	1004	8.6%	86	16	67	3
Wisc Madison	888	2.0%	18	8	7	3
San Diego St	355	6.2%	22	5	14	3
San Fran St	87	9.2%	8	4	1	3
Kansas St	434	3.2%	14	4	7	3
US Military Acad	987	8.8%	87	54	30	3

TABLE 8

INSTITUTIONS GRADUATING THE GREATEST NUMBER OF MINORITY CIVIL ENGINEERS
1981-82 TO 1983-84

INSTITUTION	1981-82				1982-83				1983-84			
	T	B	H	AI	T	B	H	AI	T	B	H	AI*
Texas El Paso	21	-	21	-	24	-	24	-	20	-	20	-
U of DC	4	4	-	-	5	5	-	-	19	15	4	-
Texas, Austin	13	1	12	-	14	-	14	-	18	2	15	1
New Mexico St	11	-	11	-	12	-	11	1	17	-	17	-
CCNY	17	12	5	-	17	12	5	-	17	12	5	-
Manhattan	7	2	5	-	5	2	3	-	14	2	12	-
U New Mexico	9	-	9	-	17	1	14	2	13	-	12	1
NJ Inst of Tech	11	6	5	-	2	-	2	-	12	2	10	-
Texas A&I	5	1	4	-	7	-	7	-	11	-	11	-
Prairie View A&M	21	21	-	-	-	-	-	-	11	11	-	-
GA Inst of Tech	7	4	3	-	3	3	-	-	10	10	-	-
Texas A&M	12	-	12	-	11	-	11	-	10	-	9	1
LA Southern U A&M	6	6	-	-	7	7	-	-	10	10	-	-
Florida Inter'l	-	-	-	-	1	-	1	-	9	-	9	-
Cal St, Los Ang	-	-	-	-	4	-	4	-	7	4	3	-
Cal, Berkeley	2	1	1	-	4	1	3	-	7	2	5	-
Howard	9	9	-	-	10	10	-	-	7	7	-	-
Cal St, Long Bch	-	-	-	-	10	3	7	-	7	2	4	1
Texas Arlington	1	1	-	-	2	1	1	-	7	2	5	-
Southern Cal	-	-	-	-	9	3	6	-	7	2	5	-
U Arizona	3	-	3	-	1	-	1	-	7	-	7	-
Northeastern	7	4	2	1	3	2	1	-	6	5	1	-
South Florida	2	1	1	-	4	-	4	-	6	1	5	-
Cal St Poly Pomo	1	-	1	-	4	2	2	-	6	2	3	1
Tenn State	7	7	-	-	7	7	-	-	5	5	-	-
George Wash	2	2	-	-	3	2	1	-	5	2	3	-
N Carolina St	6	4	1	1	7	5	2	-	5	5	-	-
Tenn Knoxvl	6	4	2	-	5	4	1	-	5	5	-	-
Princeton	7	3	4	-	11	7	4	-	5	5	-	-
Drexel	4	3	1	-	8	7	1	-	5	5	-	-
Puerto Rico	46	-	46	-	43	-	43	-	33	-	33	-

NOTE: Schools were chosen based on 1983-84 performance. Figures for 1981-82 and 1982-83 are for the purpose of historical perspective.

* T = Total Minority B = Blacks H = Hispanic AI = American Indian

TABLE 9

INSTITUTIONS GRADUATING THE GREATEST NUMBER OF MINORITY CHEMICAL ENGINEERS
1981-82 TO 1983-84

INSTITUTION	1981-82				1982-83				1983-84			
	T	B	H	AI	T	B	H	AI	T	B	H	AI*
Howard	12	12	-	-	14	14	-	-	14	14	-	-
Rensselaer Poly	2	2	-	-	4	1	3	-	12	8	4	-
NJ Inst of Tech	10	6	4	-	10	6	4	-	12	7	5	-
Wayne State	2	1	1	-	5	4	1	-	11	11	-	-
Texas Austin	13	3	10	-	8	4	4	-	10	3	6	1
MIT	7	6	-	1	12	10	2	-	9	5	4	-
U Michigan	1	1	-	-	5	3	2	-	9	7	1	1
NC State	4	3	1	-	10	7	3	-	9	8	1	-
Cornell	4	2	1	1	5	3	2	-	8	4	4	-
Purdue U Laf	3	2	1	-	4	3	1	-	8	6	2	-
Georgia Tech	12	11	1	-	7	6	1	-	8	7	1	-
Lamar	1	1	-	-	7	5	2	-	8	5	3	-
Rutgers	2	1	1	-	3	1	2	-	7	4	3	-
U Pittsburgh	1	1	-	-	2	2	-	-	7	7	-	-
Tuskegee	1	1	-	-	-	-	-	-	7	7	-	-
Drexel	3	2	1	-	8	7	1	-	7	7	-	-
U New Mexico	9	-	9	-	6	-	5	1	7	-	7	-
U Cal, Davis	1	-	1	-	3	-	3	-	7	2	5	-
U of Alabama	5	4	1	-	5	5	-	-	7	6	1	-
Texas A&I	9	1	8	-	9	-	9	-	6	-	6	-
IL Inst of Tech	9	7	2	-	3	3	-	-	6	6	-	-
CCNY	6	5	1	-	6	5	1	-	6	5	1	-
South Florida	1	-	1	-	3	1	2	-	6	1	5	-
U Tenn Knox	12	12	-	-	4	3	1	-	6	4	2	-
Tulane	5	2	3	-	5	3	2	-	5	5	-	-
U Cal, Santa Barb	3	2	1	-	2	-	2	-	5	-	5	-
Yale	-	-	-	-	3	3	-	-	5	3	2	-
Puerto Rico	74	-	74	-	60	-	60	-	69	-	69	-

NOTE: Schools were chosen based on 1983-84 performance. Figures for 1981-82 and 1982-83 are for the purpose of historical perspective.

* T = Total Minority B = Blacks H = Hispanic AI = American Indian

TABLE 10

INSTITUTIONS GRADUATING THE GREATEST NUMBER OF MINORITY ELECTRICAL ENGINEERS
1981-82 TO 1983-84

INSTITUTION	1981-82				1982-83				1983-84			
	T	B	H	AI	T	B	H	AI	T	B	H	AI*
Tuskegee	18	18	-	-	-	-	-	-	50	50	-	-
CCNY	45	30	15	-	45	30	15	-	45	30	15	-
Howard	27	27	-	-	3	3	-	-	43	43	-	-
Prairie View A&M	34	34	-	-	-	-	-	-	40	40	-	-
GA Inst of Tech	34	27	7	-	3	-	3	-	34	23	11	-
Texas El Paso	26	1	25	-	22	-	22	-	34	-	34	-
Southern U	28	28	-	-	17	17	-	-	28	28	-	-
New Mexico St	14	2	12	-	14	-	14	-	25	-	25	-
Pratt	24	16	8	-	24	21	3	-	24	21	3	-
Ca St Poly Pom	10	2	7	1	7	1	6	-	24	3	21	-
Texas Austin	-	-	-	-	-	-	-	-	23	3	20	-
Texas A&I	9	-	9	-	12	-	12	-	20	-	20	-
Poly Inst NY	12	6	6	-	26	15	11	-	19	11	8	-
NC A&T	26	26	-	-	19	19	-	-	19	19	-	-
Rensselaer Poly	7	4	3	-	10	6	4	-	18	6	12	-
North Dakota St	2	2	-	-	2	2	-	-	18	1	14	3
Manhattan Col	11	2	8	1	14	-	14	-	17	-	17	-
Miami	27	4	23	-	36	6	30	-	16	4	12	-
Purdue W Laf	15	11	4	-	3	-	3	-	16	16	-	-
U New Mexico	12	1	10	1	14	2	12	-	15	2	12	1
Stanford	10	4	6	-	6	3	3	-	15	6	9	-
MIT	15	7	8	-	11	7	4	-	14	11	3	-
Cornell	11	11	-	-	13	5	8	-	13	5	7	1
U San Diego	7	-	6	1	17	2	13	2	12	4	6	2
San Jose St	3	1	2	-	13	6	7	-	12	1	11	-
U Maryland	3	1	1	1	12	9	2	1	12	6	6	-
NJ Inst of Tech	6	2	4	-	7	2	5	-	11	1	10	-
Cal St LA	-	-	-	-	10	3	7	-	11	7	4	-
Drexel	4	4	-	-	10	8	1	1	11	9	2	-
South Florida	2	-	2	-	10	-	8	2	11	1	10	-
Virginia Poly Inst	-	-	-	-	5	5	-	-	11	9	2	-
Fairleigh Dick	-	-	-	-	10	5	5	-	10	5	5	-
Cal St Lng Bch	6	1	4	1	13	3	9	1	10	4	5	1
Northeastern	10	9	-	1	14	11	3	-	10	6	4	-
Puerto Rico	100	-	100	-	135	-	135	-	116	-	116	-

NOTE: Schools were chosen based on 1983-84 performance. Figures for 1981-82 and 1982-83 are for the purpose of historical perspective.

* T = Total Minority B = Blacks H = Hispanics AI = American Indian

TABLE 11

INSTITUTIONS GRADUATING THE GREATEST NUMBER OF MINORITY MECHANICAL ENGINEERS
1981-82 TO 1983-84

INSTITUTION	1981-82				1982-83				1983-84			
	T	B	H	AI	T	B	H	AI	T	B	H	AI*
Prairie View A&M	56	56	-	-	-	-	-	-	-	35	35	-
GA Inst of Tech	17	10	6	1	14	7	7	-	20	14	6	-
Southern U	21	21	-	-	17	17	-	-	19	19	-	-
CCNY	18	12	6	-	18	12	6	-	18	12	6	-
Tuskegee	16	16	-	-	-	-	-	-	17	17	-	-
NC A&T	16	16	-	-	17	17	-	-	17	17	-	-
Texas El Paso	10	-	10	-	10	-	10	-	16	-	16	-
Manhattan Col	11	1	10	-	13	-	13	-	16	3	13	-
U of DC	-	-	-	-	4	4	-	-	16	13	3	-
NJ Inst of Tech	10	3	7	-	9	2	7	-	15	9	6	-
GMI & EM Inst	16	12	3	1	14	11	3	-	14	10	2	2
U Michigan	3	1	1	1	5	2	1	2	12	8	1	3
Texas Austin	14	3	11	-	15	2	13	-	12	3	8	1
MIT	10	8	2	-	15	10	5	-	12	8	4	-
San Jose St	-	-	-	-	5	2	3	-	11	4	7	-
Cornell	10	5	5	-	5	3	2	-	10	4	6	-
Illinois Urb	6	2	4	-	3	1	2	-	10	4	6	-
U New Mexico	11	-	11	-	17	-	16	1	10	-	9	1
Tennessee St	4	4	-	-	12	12	-	-	10	10	-	-
Texas A&M	8	1	7	-	15	6	9	-	10	2	7	1
Howard	11	11	-	-	10	10	-	-	10	10	-	-
Cal Poly St SLO	4	-	2	2	3	-	2	1	9	2	5	2
Texas A&I	4	-	4	-	3	-	3	-	9	-	9	-
Florida Atlantic	5	-	5	-	1	-	1	-	8	1	7	-
Rensselaer Poly	8	4	4	-	5	4	1	-	8	3	5	-
Fairleigh Dickinson	-	-	-	-	8	4	4	-	8	4	4	-
U Miami	9	1	8	-	15	2	13	-	8	1	7	-
Poly Irst NY	3	3	-	-	15	7	8	-	8	3	5	-
U Maryland	6	3	3	-	5	5	-	-	7	3	4	-
U Cal Santa Barb	2	1	1	-	1	-	1	-	7	1	6	-
Northeastern	5	4	1	-	6	6	-	-	7	3	4	-
Rutgers	1	1	-	-	3	2	1	-	7	6	1	-
Drexel	5	4	1	-	5	4	1	-	7	7	-	-
U South Carolina	-	-	-	-	1	1	-	-	7	6	1	-
U Arizona	6	-	5	1	5	4	1	-	6	1	4	1
U of Pennsylvania	1	1	-	-	2	1	1	-	6	3	3	-
Purdue West Laf	7	5	2	-	2	1	1	-	6	6	-	-
U Florida	7	1	5	1	6	-	5	1	6	2	4	-
Pratt	11	5	6	-	5	2	3	-	5	2	3	-
San Diego St	3	1	2	-	8	-	6	2	5	1	3	1
Tennessee Tech	-	-	-	-	1	1	-	-	5	2	3	-
Cal St, LA	-	-	-	-	2	1	1	-	5	2	3	-
New Mexico St	8	-	8	-	12	-	12	-	5	-	5	-
Puerto Rico	65	-	65	-	44	-	44	-	62	-	62	-

NOTE: Schools were chosen based on 1983-84 performance. Figures for 1981-82 and 1982-83 are for the purpose of historical perspective.

* T = Total Minority B = Blacks H = Hispanics AI = American Indian

TABLE 12

BACHELORS DEGREES AWARDED IN 1984 BY DISCIPLINE

DISCIPLINE	TOTAL STUDENTS	TOTAL MINORITY	BLACKS	HISPANICS*	AMERICAN INDIANS
Aerospace	2364	123	73	44	6
Agricultural	655	22	4	16	2
Architectural	341	40	25	14	1
Bioengineering	611	28	13	15	-
Ceramic	361	7	1	6	-
Chemical	7616	372	250	113	9
Computer	3497	149	83	64	2
Civil, Construction	9844	465	197	254	14
Electrical, Electronic	20379	1171	626	526	19
Eng. & Applied Sci.	2349	135	79	51	5
Environmental	301	6	5	1	-
General	2037	131	58	67	6
Industrial, Manufacturing	3850	291	176	111	4
Marine	739	14	3	10	1
Mechanical	17152	709	373	302	34
Mining, Geological	978	15	3	6	6
Materials, Metallurgical	1011	47	18	27	2
Nuclear	434	16	4	12	-
Petroleum, Natural Gas	1587	52	17	35	-
Systems	248	19	11	7	1
Other	222	5	3	2	-
TOTAL	76576	3817	2022	1683	112

*Does not include University of Puerto Rico

SECTION III

NACME INCENTIVE

GRANTS PROGRAM DATA

NACME's Incentive Grants Program is the largest privately funded scholarship program for minority students pursuing an engineering degree. On an annual basis, 10 to 12 percent of all minority students enrolled in accredited engineering schools receive IGP financial assistance. In this section four tables summarize gender, ethnic breakdown, disciplines and number of graduates in NACME's Incentive Grants Program.

TABLE 13

GENDER AND ETHNICITY OF MACME INCENTIVE GRANTS RECIPIENTS 1984-85

GENDER	BLACKS	MEXICAN AMERICANS*	PUERTO RICANS*	AMERICAN INDIANS
Female	759	245	66	19
Male	1,120	719	234	60
	1,879	964	300	79

TOTAL STUDENTS 3,222

* A total of 236 "Hispanic" students were proportionately assigned to the Mexican-American and Puerto Rican categories. In the past, these two ethnic categories were combined under "Hispanics".

TABLE 14

GENDER OF NACME INCENTIVE
GRANTS RECIPIENTS 1975-76 TO 1984-85

COHORT*	MALES		FEMALES		TOTAL
1975-76	65	(77.4%)	19	(22.6%)	84
1976-77	473	(72.8%)	177	(27.2%)	650
1977-78	348	(74.1%)	122	(25.9%)	470
1978-79	340	(72.0%)	132	(28.0%)	472
1979-80	635	(69.4%)	280	(30.6%)	915
1980-81	921	(64.3%)	512	(35.7%)	1,433
1981-82	987	(66.4%)	499	(33.6%)	1,486
1982-83	859	(64.9%)	464	(35.1%)	1,323
1983-84	913	(66.5%)	459	(33.5%)	1,372
1984-85	868	(66.4%)	439	(33.6%)	1,307

* A cohort is a group of students who receive grants in a given year.

TABLE 15

ACTIVE NACME INCENTIVE GRANTS RECIPIENTS BY GENDER, ETHNICITY AND DISCIPLINE 1984-85

	MALE					FEMALE				
	B	MA	PR	AI	H*	B	MA	PR	AI	H*
Aeronautical	8	10		1	3					
Aerospace	24	25	7		10	7	8	1		1
Agricultural		1			1		1			4
Architectural	14	3		2	2	6				
Bioengineering	5	7	2	1	1	5	4	1	1	
Ceramics	1		1			1				
Chemical	74	29	18	3	5	115	11	6	3	5
Civil	47	49	5	9	12	24	17	1	1	1
Computer Science	67	28	33	11	9	69	24	11	3	9
Electrical	503	238	77	15	81	279	78	13	3	12
Electronics		1			1					
Engineering-Mgmt.	10	4			3	6	5			2
Environmental	1	1	1	1				1		
General	81	55	6	4	16	70	19	2	2	8
Geological		1					1			1
Industrial	41	14	9	1	4	56	6	12	1	3
Manufacturing	1	1								
Material Science	5					6				1
Mechanical	225	96	30	10	32	104	21	5	4	4
Metallurgical		6			2	3				1
Mining				1						
Natural Gas	1	5					2			
Nuclear	3	1					1			
Ocean	1									
Operation Research						1				
Petroleum	4	11		1		1			1	2
Polymer	1									
Safety						1	1			
Structural	1									
Systems	2		1			5	1			
	1,120	585	190	60	182	759	200	53	19	54

TOTAL STUDENTS 3,222

B = Blacks, MA = Mexican Americans, PR = Puerto Ricans,
AI = American Indians, H = Hispanics

* "Hispanics" that were not categorized as Mexican-Americans or Puerto Ricans.

TABLE 16

NACME INCENTIVE GRANTS GRADUATES 1978-79 TO 1984-85

YEAR	TOTAL	BLACKS	HISPANICS	AMERICAN INDIANS
1978-79	21	10	11	
1979-80	130	104	26	
1980-81	233	176	54	3
1981-82	227	168	59	
1982-83	321	244	75	2
1983-84	419	287	126	6
1984-85	364	229	126	9
TOTAL	1,731	1,231	480	20

* Mexican American and Puerto Rican categories combined.

SECTION IV

CONTACTS: MINORITY ENGINEERING PROGRAMS

This section is a complete directory of university level minority engineering program directors. These individuals are an excellent resource for industry personnel who are working in the area of recruitment. They can be resources to other directors, given their expertise in the field, and are contacts for precollege directors who are helping minority high school graduates interested in pursuing an engineering degree. A telephone number and institutional affiliation is included for each listing.

MINORITY ENGINEERING PROGRAM DIRECTORS

ARIZONA

Northern Arizona University
602-523-4330
Paul D. Trotta, Ph.D. — PT

Arizona State University
602-965-5150
Beatrice Meza
Manuel Aroz — FT

ARKANSAS

University of Arkansas
501-575-6015
Charles Williams — PT

CALIFORNIA

University of California, Berkeley
415-642-5064
Richard T. Santee — FT

University of California, Berkeley
415-642-1331
Charles Tunstall
Antoinette Torres — FT

California State University, Chico
916-895-4017
James Dorsey — FT

University of California, Davis
916-752-7761
Jane C. Elliott — FT

University of California, Davis
916-752-3390
Theresa Pagaling — FT

California State University, Fresno
209-294-2976
Henry Villanueva — FT

California State University, Fullerton
714-773-3879
Carolyn Vallas — FT

PT = Part-Time FT = Full-Time

CALIFORNIA (continued)

California State University, Long Beach — FT
213-498-4115
Milton Randle

California State University, Los Angeles — FT
213-224-3550
Joel Nossoff

University of California, Los Angeles — FT
213-206-6493
Irma Y. Lozano

University of Southern California — FT
213-743-2127
Clarke Howatt
Armando Ramos Reynolds
James Quince

California State University, Northridge — FT
818-885-2191
Enrique "Rick" Ainsworth
Christine Reyes

California Institute of Technology — PT
213-356-6207
Lee F. Browne

California State Polytechnic, Pomona — FT
714-869-2482
M. Catharine Hudspeth

California State University, Sacramento — FT
916-278-6699
Richard Ortega

San Diego State University — FT
619-265-5679
Frank Holmes

San Francisco State University — FT
415-469-1328
Abbey Asher

San Jose State University — FT
408-277-2214
Ysidoro Duenes
Virginia Estrella

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R. David Cantu
Rodolfo Candelaria, Jr.

University of California, Santa Barbara — FT
805-961-4026
Oscar J. Perez
Raymond V. Norton

Stanford University — PT
415-497-9107
Linda Bradford

COLORADO

University of Colorado at Denver — FT
303-556-2344
Miguel A. Garcia

CONNECTICUT

University of Bridgeport — PT
203-576-4702
Richard A. Strand, Ph.D.

FLORIDA

Florida Atlantic University — FT
305-393-3415
Dick Mader

University of Florida — FT
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Roscoe J. McNealy

GEORGIA

Georgia Institute of Technology — FT
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William J. Gamble, Jr., Ph.D.
Ronnie Guy Vickers

ILLINOIS

Southern Illinois University-Carbondale — FT
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Teresa J. Trussell

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Nathaniel "Nate" Thomas

University of Illinois at Urbana — FT
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Paul E. Parker

Southern Illinois University at Edwardsville — FT
618-692-2500
Sandra E. Wesley

Northwestern University Technological Institute — PT
312-491-7379
William T. Brazelton, Ph.D.

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317-264-2943
Christine Young Fitzpatrick

Purdue University, West Lafayette — FT
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Marion W. Blalock
Andy Cordero

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University of Kansas — FT
913-864-3620
Florence E. Boldridge

Kansas State University — PT
913-532-5949
Karen Hummel

LOUISIANA

Louisiana State University — PT
304-388-5731
Gwen E. Redding

MARYLAND

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James N. Newton

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413-545-2030
Reynolds B. Winslow
Dwight Tavava

Northeastern University — FT
617-437-5904
David C. Blackman

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Michigan State University — FT
517-355-5166
Gerald O. Thompkins
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612-373-2673
Don L. Birmingham

MISSOURI

University of Missouri-Rolla — FT
314-341-4212
W. Floyd Harris

NEBRASKA

University of Nebraska-Lincoln — PT
402-554-2543
Kathlyn J. Berry

NEW JERSEY

Stevens Institute of Technology — PT
201-420-5204
Edward N. Prather
Varoujan Mazmanian

New Jersey Institute of Technology — FT
201-645-5128
E. George Simms, Ph.D.

NEW MEXICO

University of New Mexico — FT
505-277-5831
Tom Cummings
Barbara Hobson

New Mexico Institute of Mining & Technology — FT
505-835-5846
JoAnn S. Ragonese

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607-256-3682
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212-920-0281
Ismael Diaz

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NORTH CAROLINA

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919-737-3264
Bobby D. Pettis

OHIO

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513-475-1164
James E. Wade, Ph.D.

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216-368-2904
Margaret E. Boulding
Robert V. Edwards, Ph.D.

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614-422-4309
Minnie M. McGee

University of Dayton — PT
513-229-2736
Ruth L. Kelly

OKLAHOMA

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405-325-4161
Wayne Steen

Oklahoma State University — FT
405-624-5276
Larry D. Zirkle, Ph.D.

PENNSYLVANIA

University of Pennsylvania — FT
215-898-7084
Cora M. Ingrum

Carnegie-Mellon University — FT
412-268-2150
Gloria P. Hill

University of Pittsburgh — FT
412-624-4765
Karl H. Lewis, Ph.D.

Pennsylvania State University — FT
814-863-4944
Daniel C. Davis, Ph.D.

SOUTH CAROLINA

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803-777-2590
Kathy Gordon

TENNESSEE

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James T. Pippin

TEXAS

University of Texas at Arlington — FT
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John S. Robottom

University of Texas at Austin — FT
512-471-5953
Ed. D. Davis

TEXAS (continued)

Texas A&M University
409-845-7200
Leroy S. Fletcher, Ph.D. — FT

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Alfonso Lopez-V — FT

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713-749-1139
G.F. Paskusz, Ph.D. — FT

University of Houston
713-749-7431
B.A. Turner, Ph.D. — FT

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801-581-8151
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206-545-8688
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